

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

002

APPLICATION FOR PERMIT TO DRILL OR REENTER


FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

5. Lease Serial No. UTU-76267	
6. If Indian, Allottee or Tribe Name na	
7. If Unit or CA Agreement, Name and No. na (proposed Big Pack Unit)	
8. Lease Name and Well No. Big Pack Unit #32-22	
9. API Well No.	
10. Field and Pool, or Exploratory Unnamed	
11. Sec., T. R. M. or Blk. and Survey or Area Section 22, T11S-R20E, S.L.B. & M.	
12. County or Parish Uintah	
13. State Ut	
14. Distance in miles and direction from nearest town or post office* 20.1 miles to Ouray, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1786'	
16. No. of acres in lease 2,200	
17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. na	
19. Proposed Depth 9,250'	
20. BLM/BIA Bond No. on file UTB000160	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5454' graded ground level	
22. Approximate date work will start* 06/01/2005	
23. Estimated duration 8 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Todd S. McDonald	Date 03/29/2005
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Title
Vice President

Approved by (Signature)	Name (Printed/Typed)	Date
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Title	Office
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Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

EIGHT POINT DRILLING PLAN
Attached to Form 3160-3: Application for Permit to Drill
Mak-J Energy Operating Company, LLC
Big Pack Unit #32-22
Federal Lease Number UTU-76267
1786' FNL & 1941' FEL, Sec 22, T11S- R20E, SLB&M
Uintah County, Utah

1. ESTIMATED TOPS - IMPORTANT GEOLOGIC MARKERS

Uinta	0'
Green River	562'
Wasatch	3744'
Mesaverde	6467'
Neslen	7821'
Sego	8596'
Castlegate	8798'
Mancos	9098'
Total Depth	9250'

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

Water:	Green River:	occasional sands from 562' to 3744'
	Wasatch:	occasional sands from 3744' to 6467'
	Mesaverde:	occasional sands from 6467' to 8596'
Oil:	no oil is anticipated during the drilling of this well	
Gas:	Wasatch:	occasional sands from 3744' to 6467'
	Mesaverde:	occasional sands from 6467' to 7821'
	Neslen:	occasional sands and coals from 7821' to 8596'
	Sego:	occasional sands from 8596' to 8798'
	Castlegate	occasional sands from 8798' to 9098'
	Mancos	occasional sands from 9098' to 9250'

3. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

- a. A diagram of the Blowout Preventer Stack and Choke Manifold is presented in Exhibit #1 and #1A.
- b. A 3M (3,000 psi minimum Working Pressure) system will be required for this operation and will consist of:
 - i. The Blow-Out Preventer Stack Description and Specifications:
 - An 8-5/8" x 11" SOW 3,000 psi WP casing head will be installed as the starting head.
 - An 11" 3,000 psi x 11" 3,000 psi WP drilling spool will be installed on the starting head.

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- An 11" x 3,000 psi WP (min) double gate hydraulic type ram preventer with pipe rams over blind rams will be installed above the drilling spool.
 - An 11" x 3,000 psi (WP) annular preventer will be installed on top of the double gate preventer.
 - An 11" rotating head may be installed above an annular preventer.
- ii. The Choke and Kill Manifolds:
- A 2" x 3,000 psi (min) kill line and a 3" x 3,000 psi (min) choke line will be tied into opposite sides of the 11" x 3,000 psi WP (min) drilling spool.
 - Two 3" x 3,000 psi (min) WP FO gate valves will be up-stream of the choke manifold assembly. These valves will be in the open position during normal drilling operations.
 - The choke manifold will consist of both 2" & 3" x 3,000 psi (min) WP pipe (see Exhibit 1). The 3" pipe will be the bleed line to the flare pit. There will be 2 - 2" lines, both directed to the mud gas separator or pit. There will be 2 - 2" x 3,000 psi (min) WP FO adjustable chokes downstream of 2 - 2" x 3000 psi (min) WP FO valves on the 2" lines. These valves will be closed during normal mud drilling operations. A single 3" x 3,000 psi (min) WP FO gate valve will be between the flow tee and the 3"(min) bleed line. This valve will be closed during normal mud drilling operations. In-board of the gate valves in the manifold assembly there will be a 3" x 3,000 (min) psi WP flow tee with bull plug, needle valve, and gauge for well control operations.
 - The bleed line will be appropriately staked and chained down to the flare pit.
 - The 2" kill line will consist of 2 valves (3,000 psi min) one of which will be a check valve.
- iii. Surface Drill String Valves:
- A 3,000 psi WP (min) FO safety valve with subs to fit all drill strings in use will be kept on the drill floor after surface casing is set.
 - A 3,000 psi (min) WP Upper kelly valve with handle will be used throughout drilling operations.
- iii. The Accumulator System:
- The 3M system accumulator shall have sufficient capacity to close all BOP equipment and retain a minimum of 200 psi above the pre-charge pressure on the closing manifold without the use of the closing pumps. A nitrogen bottle system may be used to provide independent (reserve) power to operate the system in the event rig motors must be shut

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down.

c. Testing Procedures and Test Frequency:

- All of the pressure side BOP Equipment specified in Part b. above will be nipped-up on the surface casing. A test plug will then be set in the starting head profile.
- All ram type preventers and associated equipment will be hydraulically tested for ten (10) minutes (min) to 3000 psi and five (5) minutes (min) to 300 psi prior to drilling out cement. The annular preventer shall be tested to 1500 psi (50% of rated working pressure). Surface casing will be pressure tested to 1500 psi before drilling out the surface casing shoe. These components will be re-tested every 30 days, whenever any seal subject to test pressure is broken, and following any related repairs.
- Pipe rams will be operationally checked each 24-hour period and the blind rams operationally checked each time pipe is pulled from the hole.
- All pressure tests and function tests will be noted on the daily drilling report.

d. Tripping procedures for well control:

- The maximum bottom-hole pressure is 3940 psi in the Mancos. Anticipated mud weight at total depth is 9.5 ppg. At Mancos depth this will provide an anticipated hydrostatic pressure of 4495 psi for an over-balance pressure of +/-555 psi.
- The well will be drilled by a triple, double, or lay-down singles derrick rig with 4-1/2" drill pipe and 6" (minimum) drill collars.
- The well will be monitored each 9-10 joints on trips out of the hole to insure that the BHA is not swabbing the well in. The well will be filled after each 30 joints of drill pipe and as each drill collar is pulled from the hole. Pits will be monitored in order to insure that the well is taking fluid on the trip.
- The fill-up line will be used to fill the well on trips. The kill line **WILL NOT** be used to fill the well on trips.
- **In the event that the bit is plugged on a trip the well will be filled after each 15 joints of drill pipe are pulled from the well and as each drill collar is pulled from the well. Swabbing will be checked each 6 joints.**

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4. CASING AND CEMENTING PROGRAM

a. General Casing and Cementing Design Specifications:

Hole Size (in.)	Depth (feet)	Casing OD (inches)	Wt/Gd/Jt/Cond	Cement
12 1/4"	2200'	9 5/8"	36#/ft, J55, ST&C, new	Lead: 200 sxs 65/35 Pozmix containing 16% gel, 10#/sx gilsonite, and 0.25#/sx flocele, 3.0 #/GR-3, 3% salt BWOC. Weight = 11.0 ppg, yield = 3.82 cu.ft./sx Tail: 300 sxs Class 'G' containing 2% CaCl and 0.25#/sx flocele. Weight = 15.8 ppg, yield = 1.15 cu.ft./sx
7 7/8"	9250'	4 1/2"	11.6#/ft, N80, LT&C, new	Lead: 200 sxs Hi-Fill 'V' containing 16% gel, 0.6% EX-1, 3% salt, 1% HR-7, 0.25#/sx flocele, and 10#/sx gilsonite. Weight = 11.6 ppg, yield= 3.12 cu.ft./sx Tail: 1180 sxs 50/50 Pozmix containing 2% gel, 0.6% Halad-322, 2% Microbond, 0.25#/sx flocele and 5% salt. Weight = 14.36 ppg, yield = 1.25 cu.ft./sx

- NOTE: A full attempt will be made to lift cement at least 200' into the surface casing shoe. A mud log from the base of the surface casing to T.D. is planned and a Formation Density / Compensated Neutron / Caliper log will be run from T.D. to the base of surface casing to confirm volumes prior to cementing.

b. Casing Centralization Equipment:

i. Surface Casing:

- A total of 28 centralizers will be run on the 9-5/8" OD Surface Casing: 1 each on the bottom 3 joints of the casing and 1 on every other collar to surface.

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- ii. Production Casing:
- Placement of centralizers will be determined after review of the open hole logs.

5. PROPOSED DRILLING FLUIDS

DEPTH	TYPE	MUD WT., LB/GAL	VISCOSITY	WATER LOSS
0' – 2200' (Min)	Fresh water gel	NA	NA	No Control
2200' – 4000'	Fresh, LSND	8.4 – 8.8	32 – 36 Sec/Qt	10 – 18
4000' – TD	Fresh, LSND	8.8 – 9.5	36 – 40 Sec/Qt	10 – 16

6. LOGGING, TESTING, AND CORING PROGRAM

- a. The logging program will consist of:
- i. AIT/GR/SP:
T.D. to surface casing
 - ii. FDC – CNL w/ GR & Caliper:
T.D. to surface casing
- b. No cores are planned.
- c. No DST's are planned.
- d. A manned mud logging unit with a hotwire and chromatograph is planned from the base of the surface casing to TD. 30 ft samples will be obtained from the base of the surface casing to TD or at geologist's discretion.

7. ABNORMAL CONDITIONS - PRESSURE - TEMPERATURE - POTENTIAL HAZARDS

Normal pressures and temperatures are expected in the objective formation. A maximum surface shut-in pressure based upon a maximum bottom hole pressure of 3,940 psi in the Mancos, assuming a partially

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evacuated hole with a pressure gradient of 0.22 psi/ft, is 1938 psi. A maximum bottom hole temperature of 195 degrees Fahrenheit is anticipated. Sour gas (H₂S) is not anticipated.

8. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS

Road and location construction will begin as soon as APD approval has been granted by the BLM. The anticipated spud date for this well is currently June 1, 2005 subject to rig availability and permit approval. A spud rig may be moved in prior to the drilling rig to set surface casing. Once surface casing has been set drilling operations should be finished within 7 to 10 days. Side-tracking operations, if required, will considerably extend the period of operations. Appropriate verbal notification of side-tracking operations shall immediately be made if such operations are required, plug-back procedures confirmed, and appropriate Sundry Notices filed as soon as possible. If the subject well is deemed to be capable of production an additional 10 to 15 days will be required for completion.

3M BLOWOUT PREVENTION STACK

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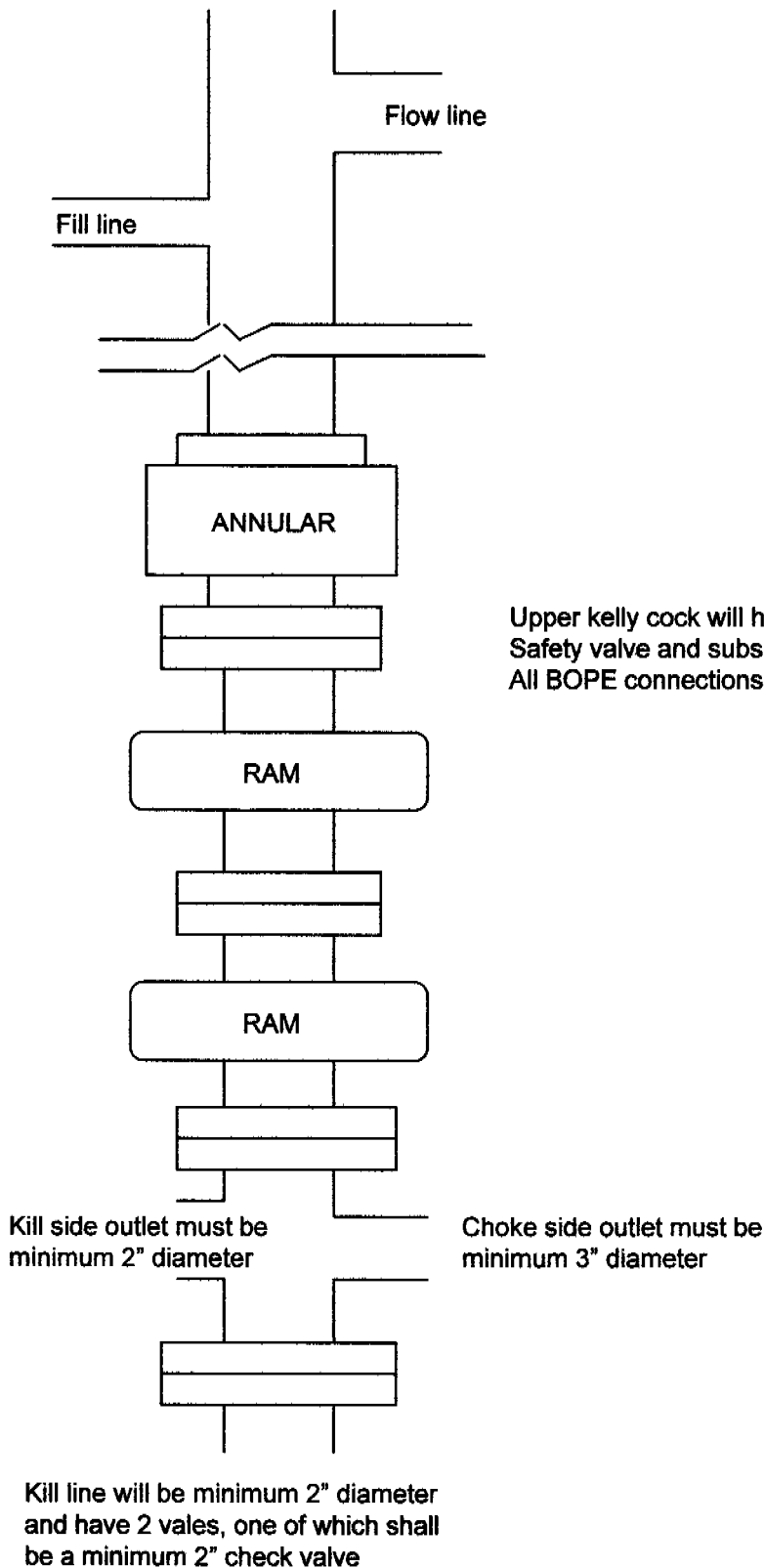


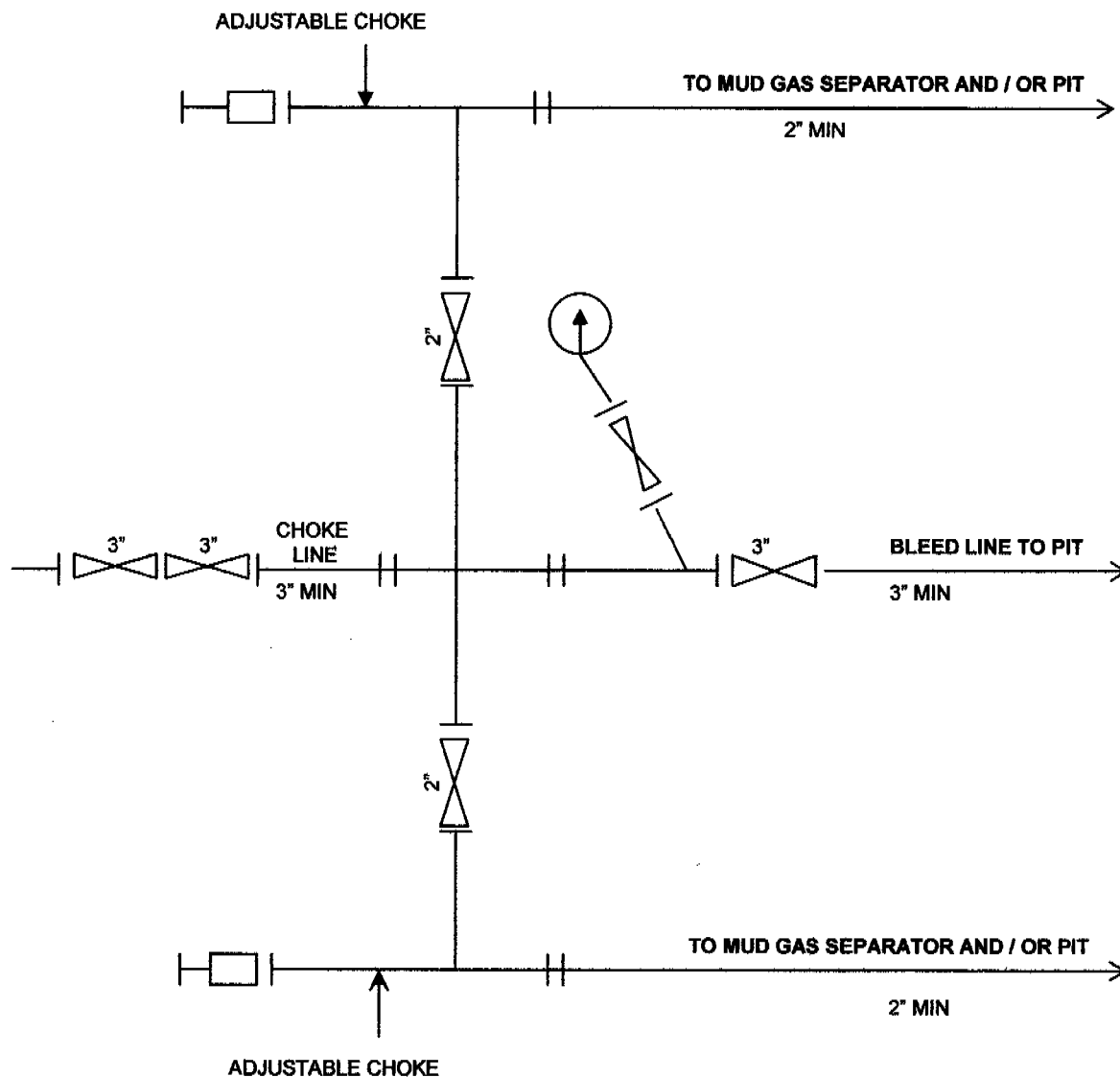
EXHIBIT #1

MAKJ ENERGY

3M Choke Manifold Equipment

(Configuration of chokes may vary)

EXHIBIT #1A



Upper kelly cock will have handle available.
Safety valve and subs will fit all drill string connections in use
All BOPE connections subjected to well pressure will be flanged, welded, or clamped

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MAKJ ENERGY

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1. EXISTING ROADS

- A. The proposed well site digital photographs, elevation/survey plat, location layout, cross section, and topographic maps ('A' Topo and 'B' Topo) are attached.
- B. To reach the well site proceed from Ouray, Utah 9.1 miles south on Seep Ridge Road. Turn right (west) on Turkey Track Road (County Road #5110) and travel +/- 2.8 miles to Willow Creek Road (County Road #5120). Turn left (south) on County Road #5120 and travel 4.6 miles to County Road #5230, Big Pack Mountain Loop Road. Turn right (west) onto this existing County road and travel +/- 1.6 miles to an existing oil and gas well located in the senesw, Section 10, T11S-R20E. Turn left (south) and continue on County Road #5230 for 2.0 miles to the proposed new access road. The newly proposed access is approximately 50' in length as proposed on 'B' Topo.
- C. The new access road is color coded and labeled as shown on 'B' Topo.
- D. Existing highways and roads in the area are under the jurisdiction of the BLM or Uintah County.

2. PLANNED ACCESS ROADS

- A. The proposed access road will depart from Big Pack Mountain Loop Road in an easterly direction for +/- 50 feet (See 'B' Topo). The access road is located entirely on Federal Lease #UTU-76267.
- B. The access road will be crown and ditch construction. The general access road width will have a 15' traveling surface. A maximum disturbance width of 30' is requested (i.e., road right-of-way = 30 feet). The route for this road was chosen to minimize surface disturbance in providing access to the location. There will be no drainage ditches built.
- C. The access road grade will average 0 to 5%.
- D. No turnouts are planned except at the access road entrance into the location.
- E. Water bars will be placed if appropriate. None are anticipated.
- F. No culverts, bridges, or major cuts and fills are anticipated.
- G. Surfacing materials will consist of native surface soil, native alluvium where present, and 3/4" road-base crush from a commercial gravel pit if gravel is required due to drilling, completion, or production operations.

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- H. Based upon the field inspection conducted on March 16, 2005 no cattle guards and / or culverts are anticipated at this time.
- I. No additional ROW's will be required.

3. LOCATION OF EXISTING WELLS

For the location of existing wells within a one-mile radius of the subject well, see Exhibit 'C'. The wells indicated on Exhibit 'C' are all that Mak-J Energy is aware of at this time.

- A. There are No domestic water wells within a one-mile radius.
- B. There are No abandoned wells within a one-mile radius.
- C. There are No temporarily abandoned wells within a one-mile radius.
- D. There are No known disposal wells within a one-mile radius.
- E. There are No drilling wells within a one-mile radius.
- F. There are No producing wells within a one-mile radius.
- G. There are No known shut-in wells within a one mile radius.
- H. There are No known injection wells within a one-mile radius.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE

- A. If the well is productive, contemplated facilities will be as follows:
 - (1) Where practicable the tank battery will be located on solid ground of the cut area of the drill pad. All Mak-J Energy facilities will be contained on the planned well pad.
 - (2) Refer to Figure #3 for the proposed production facility schematic.
 - (3) Dependent upon flow test results, a heated gas separator, multiple 400 bbl tanks, and a meter house will be required. All well pad flow lines and piping will be buried and

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installed according to API specifications. Construction materials will consist of excavated alluvium, shale, and soils (except top soils). Use of additional materials from outside sources is not anticipated at this time (with the exception of 3/4" crushed road-base gravel from a commercial pit). All facilities will be painted Olive Black as agreed to during the on-site inspection on 3/16/2005.

- (4) No surface pits are planned at this time.

B. Off well pad:

- (1) On February 24, 2005 Mak-J Energy Operating Company filed an Area in Depth with the Bureau of Land Management, Salt Lake City requesting permission to form the Big Pack Unit. In general, the Big Pack Unit outline encompasses lands in the south half of Township 11 South-Range 20 East and the north half of Township 12 South-Range 20 East. It is being proposed that there will be two unit obligation wells, the Big Pack Unit #32-22 and the Big Pack Unit #31-34. In anticipation of the Big Pack Unit being approved Mak-J Operating Company proposes to install a bare 4" gas sales line extending west from the subject well a distance of approximately 30 feet where it would intersect the Big Pack Mountain Loop Road (County Road #5230). The 4" sales line has been centerline staked, will be buried, and will be located directly adjacent to the access road. At no point will the 4" pipeline fall outside of the requested 30' road right-of-way. From the intersection of County Road #5230 an 8" gathering pipeline will be laid extending north into Section 15, T11S-R20E (see Exhibit 'D'). The recommended 8" line will intersect with another segment of 8" pipe that has been proposed and made part of the Application for Permit to Drill the Big Pack Unit #21-15. The 8" line extending from the #32-22 to the #21-15 will also be center lined staked, buried and will run adjacent to the county road. At no point will the 8" pipeline fall outside of the existing county road Right-Of-Way width. Exhibit 'E' shows the general layout of the proposed 8" gathering system within the Big Pack Unit boundary and the associated potential well connects. The gathering system will be owned and operated by Mak-J Energy Operating Co. LLC or by a third party yet to be determined. Archaeological surveys have been completed for the aforementioned pipeline route and are attached to this permit. Construction will be contingent upon well-test results and permit approval / clearance by the BLM. The pipeline route (both 4" and 8") will remain entirely on lease and/or within the Unit boundaries and will not require a separate right-of-way.
- (2) No additional facilities are planned at this time.
- (3) No additional protective measures are planned to protect livestock and wildlife.

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5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water will be obtained from the State of Utah; Willow Creek at Buck Canyon under A-1 Tank Rental water permit #49-2179. Dependant on the availability of water from Willow Creek water may have to be purchased from a water supply well located in Ouray, Utah under water permit #43-8496, A-1 Tank Rental.
- B. Water will be hauled by tank truck to the drilling site as needed. The access will conform to roads identified on 'A' Topo.
- C. No water well will be drilled on, or near, this well location.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. No construction materials are anticipated for drilling the well or constructing the access road onto the location. Compacted cut material will be utilized for the drilling site and access road. Drill-site and pit top soil will be stockpiled for re-vegetation and be placed between Points 4 and 8 as shown on Figure #1.
- B. Only native construction materials in the permitted area of disturbance, outlined for use in construction herein, will be used from BLM administered lands.
- C. Native surface soil materials for construction of the new access road should be sufficient. If necessary, road surface materials (3/4" road-base) will be purchased from the dirt contractor. An appropriate crush will be specified.
- D. 'A' Topo and 'B' Topo identify the access roads. Uintah County and Bureau of Land Management roads are involved. Care will be taken in maintaining County and BLM road entrances and will adhere to Uintah County and BLM Standards.
- E. Figure #2 shows proposed cut & fill cross-sections for the location.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Methods and location of proposed safe containment and disposal of waste material are:

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- (1) Cuttings not retained for evaluation purposes will be discharged into the reserve pit as shown on Figure #1.
 - (2) A portable chemical toilet will be provided on the location for human waste. Trailer septic tank facilities will be provided for trailer wastes. This sewage waste will be removed to and disposed of at the Ashley Valley Sewage Treating Plant.
 - (3) Garbage and trash produced during drilling, completion and testing operations will be handled in a trash cage. This garbage will be hauled to the Uintah County landfill after drilling / completion operations are finished.
 - (4) Water and tailings will be disposed into the reserve pit.
 - (5) Small amounts of potassium chloride are anticipated in the drilling mud system and will be disposed of in the reserve pit.
 - (6) No toxic waste/chemicals subject to reporting under SARA Title III in an amount greater than 10,000 pounds will be used in the proposed operations.
 - (7) If the well is productive, produced water will be disposed of at the Ace Disposal - 10 miles west of Vernal, Utah.
- B. Drilling mud/water will be contained in steel mud tanks or in the reserve pit. It will be disposed of by pit evaporation or hauled to an appropriate disposal facility. Oil produced during drilling operations, if sufficient, will be trucked from location. The reserve pit will be lined with a synthetic liner as described in section 9C. The reserve pit will contain any excess flow from the well during mud drilling and cementing operations. The dimensions of the pit will be approximately 150' x 100' x 10' deep as shown in Figure #1.
- C. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. All stock piles of top soil will be seeded with the mixture described in Section 10A and will be walked in with a dozer to hold seed and minimize erosion. Any open pits will be fenced after drilling operations conclude and these pits will remain fenced until they have dried. All pits will be back filled, re-contoured, and re-seeded when pits are dry enough to backfill as weather permits. Only that part of the pad required for production operations and well maintenance operations will be kept in use. All other drill pad areas will be re-contoured and re-seeded. In the event of a dry hole, only an appropriately specified dry hole marker will remain.

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8. **ANCILLARY FACILITIES**

No air strip, campsite, or other facilities will be constructed during drilling and completion operations at this well site.

9. **WELL SITE LAYOUT**

- A. Refer to Figure #1 for the drill pad layout as staked. Planned cuts and fills across the location are shown on Figure #2.
- B. Refer to Figure #1 for a planned location diagram of the proposed rig and drilling equipment, reserve pit, and pipe racks. No permanent living facilities are planned. There will be trailers for supervision on the site. Sewage will be collected in septic facilities for disposal.
- C. The rig orientation, turn-around area, parking area, and access road entrance onto location are shown on Figure #1. The reserve pit will be located on the eastern corner of the location. A plastic nylon reinforced liner will be used. **It will be a minimum of 12 mil thickness with felt bedding to cover any rocks.** The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

The flare pit may receive cuttings, gas, and mud/water during drilling operations. The flare pit will be approximately 20' x 20' x 6' deep. The flare pit will be located at least 100' (nearest corner or edge) from the wellbore, +/-30 ft from the northeast corner of the reserve pit. A minimum 10' earthen backstop of earth fill shall be constructed at the far end of the flare pit. Earthen embankments shall be constructed to prevent fluid loss to surrounding lands. Flare pit fluids shall drain via a trench, by gravity, into the reserve pit (see Figure #1).

The reserve pit will be fenced with 39-inch net wire with one strand of barbed wire on the three (3) exterior sides prior to the commencement of drilling operations. The fourth side will be fenced when the rig moves off location. The flare pit will be fenced on all sides prior to the commencement of drilling operations.

10. **PLANS FOR RESTORATION OF SURFACE**

- A. Productive Well

The plan for rehabilitation of the disturbed area no longer needed for production operations after drilling and completion activities are finished is as follows:

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The entire location will be inspected for trash and other refuse, and such trash/refuse if found, will be cleaned up.

Oil or other adverse substance on the pits will be removed in accordance with 43 CFR 3162.7-1.

The pit liner will be torn and perforated before back filling of the reserve pit after the contents of the pit are dry.

The area of the drill site not needed for producing operations/facilities and well maintenance operations will be re-contoured to the original contours as nearly as possible and re-vegetated/re-seeded along contours. Vegetation and rehabilitation will be achieved by reseeding after re-contouring the site. A seed mixture of 4 #/acre Shadscale, 3 #/acre Indian Rice Grass, 4 #/acre Needle & Thread Grass, and 1 #/acre Crested Wheat will be used. Time to complete rehabilitation depends upon the time necessary for pits to dry. Pit closure, re-contouring, planting, and re-vegetation should occur by fall 2006, if normal weather patterns ensue.

B. Dry Hole/Abandoned Location

If the well is to be plugged and abandoned, a subsequent report of abandonment will be submitted to obtain the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP

The surface ownership of the access road and location is BLM.

12. OTHER INFORMATION

A Cultural Resources Survey, by Montgomery Archaeological Consultants, Moab, Utah has been completed for the proposed well site, access road, and pipeline route within the Unit boundary. No significant cultural resources were identified. The archeological report is attached to this permit. A Paleontological Reconnaissance Report has also been completed by Montgomery Archeological Consultants. The report is pending and will be sent to the Vernal District office once completed. An on-site inspection was conducted on March 16, 2005 under NOS procedure. In attendance were Paul Buhler and Amy Torres, Bureau of Land Management - Vernal Resource Area, Jim and Travis Oldham of Diamond J Construction Inc., and Todd S. McDonald with Mak-J Energy Operating Company LLC.

Noxious weeds will be controlled along rights-of-way for roads, pipelines, well sites, or other applicable facilities pertaining to this project. A pesticide use proposal will be submitted prior to the application of herbicides or pesticides.

SURFACE USE AND OPERATING – 13 POINT PLAN
Attached to Form 3160-3
Mak-J Energy Operating Company, LLC.
Big Pack Unit #32-22
Federal Lease Number UTU-76267
1786' FNL & 1941' FEL
Section 22, T11S-R20E, SLB&M
Uintah County, Utah

Drilling rigs and/or equipment will not be stacked or stored on Federal lands.

No construction or drilling activities shall be conducted during wet periods. The BLM will be notified prior to any construction on this well.

13. **LESSEE'S AND OPERATOR'S REPRESENTATIVE**

Mak-J Energy Operating Company, LLC.
370 17th Street, Suite 2710
Denver, Colorado 80202

Contact: Todd S. McDonald
Vice President
phone: (303) 339-5873 office

phone: (303) 320-4523 home
phone: (303) 842-0883 cellular

SURFACE USE AND OPERATING – 13 POINT PLAN
Attached to Form 3160-3
Mak-J Energy Operating Company, LLC.
Big Pack Unit #32-22
Federal Lease Number UTU-76267
1786' FNL & 1941' FEL
Section 22, T11S-R20E, SLB&M
Uintah County, Utah

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access routes; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Mak-J Energy Operating Company, LLC. and its contractors and subcontractors in conformity with this plan and the terms & conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C.1001 for the filing of a false statement.

Please be advised that Mak-J Energy Operating Company is considered to be the operator of the Big Pack Unit #32-22, which is located in the SW/4 NE/4, Section 22, Township 11S, Range 20E, Federal Lease #UTU-76267, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Operations will be conducted under Mak-J Energy Operating Company BLM Bond number UTB000160 which provides state-wide bond coverage on all Federal lands.

Date: March 29, 2005



Todd S. McDonald
Vice President
Mak-J Energy Operating Company, LLC.

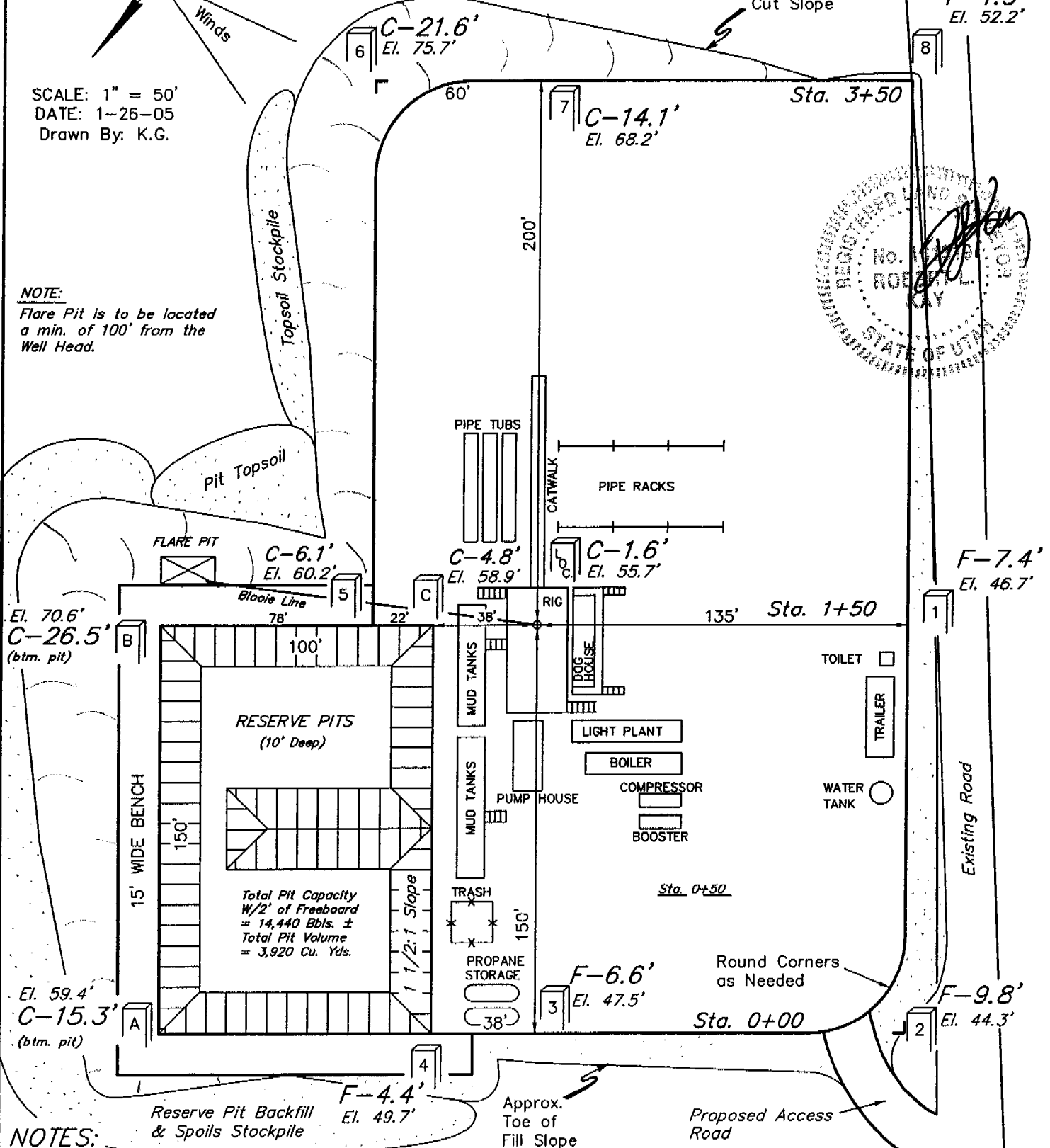
FIGURE #1

BIG PACK UNIT #32-22
SECTION 22, T10S, R20E, S.L.B.&M.
1786' FNL 1941' FEL

Approx.
Top of
Cut Slope

F-1.9'
El. 52.2'

NOTE:
Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5455.7'
FINISHED GRADE ELEV. AT LOC. STAKE = 5454.1'

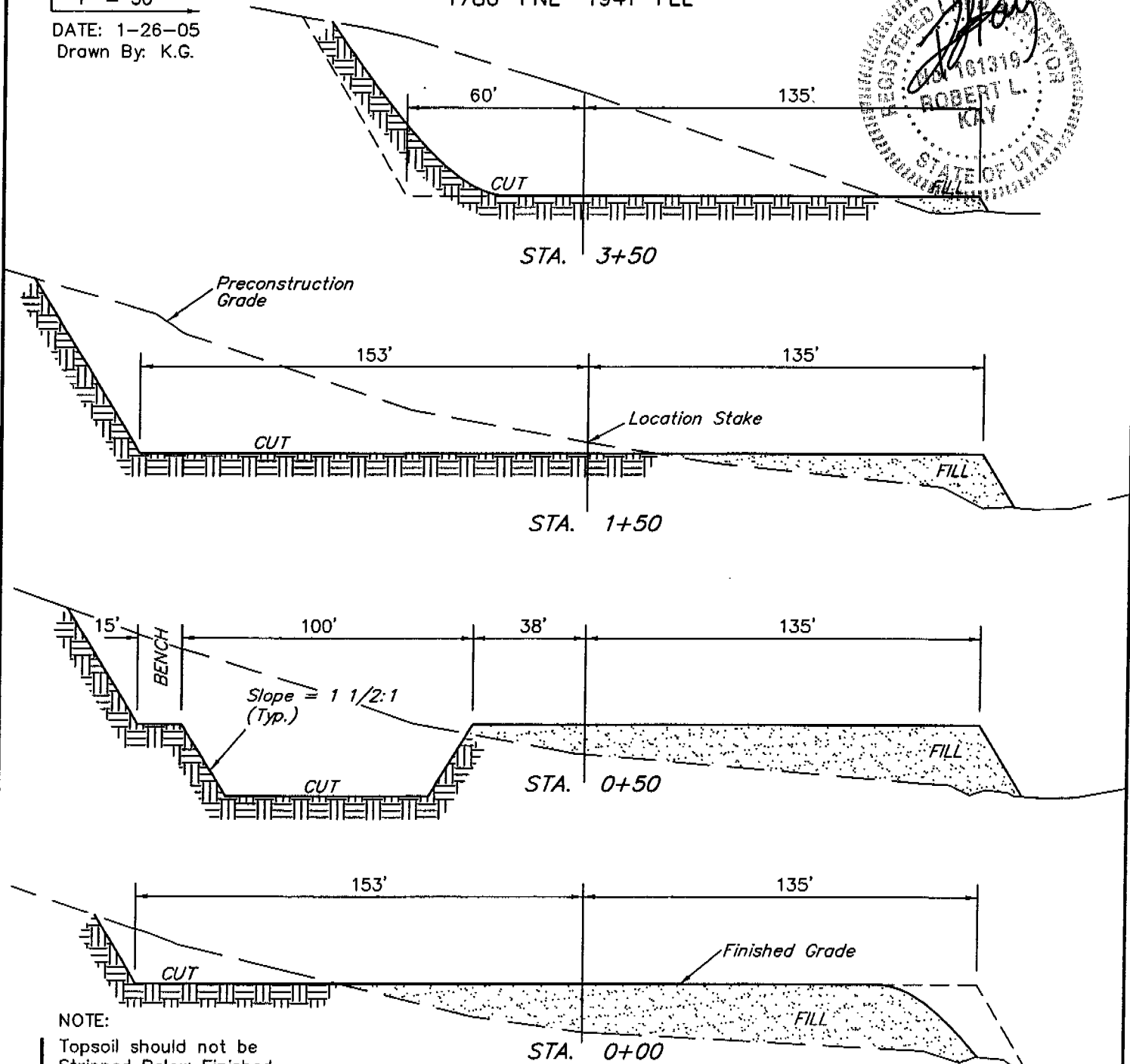
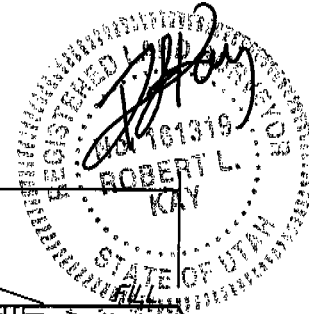
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

MAK J ENERGY

FIGURE #2

TYPICAL CROSS SECTIONS FOR BIG PACK, UNIT #32-22 SECTION 22, T10S, R20E, S.L.B.&M. 1786' FNL 1941' FEL

1" = 20'
X-Section
Scale
1" = 50'
DATE: 1-26-05
Drawn By: K.G.



NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,090 Cu. Yds.
Remaining Location	= 20,130 Cu. Yds.
TOTAL CUT	= 22,220 CU.YDS.
FILL	= 7,400 CU.YDS.

EXCESS MATERIAL	= 14,820 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,050 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 10,770 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

CONDENSATE - WATER LINE

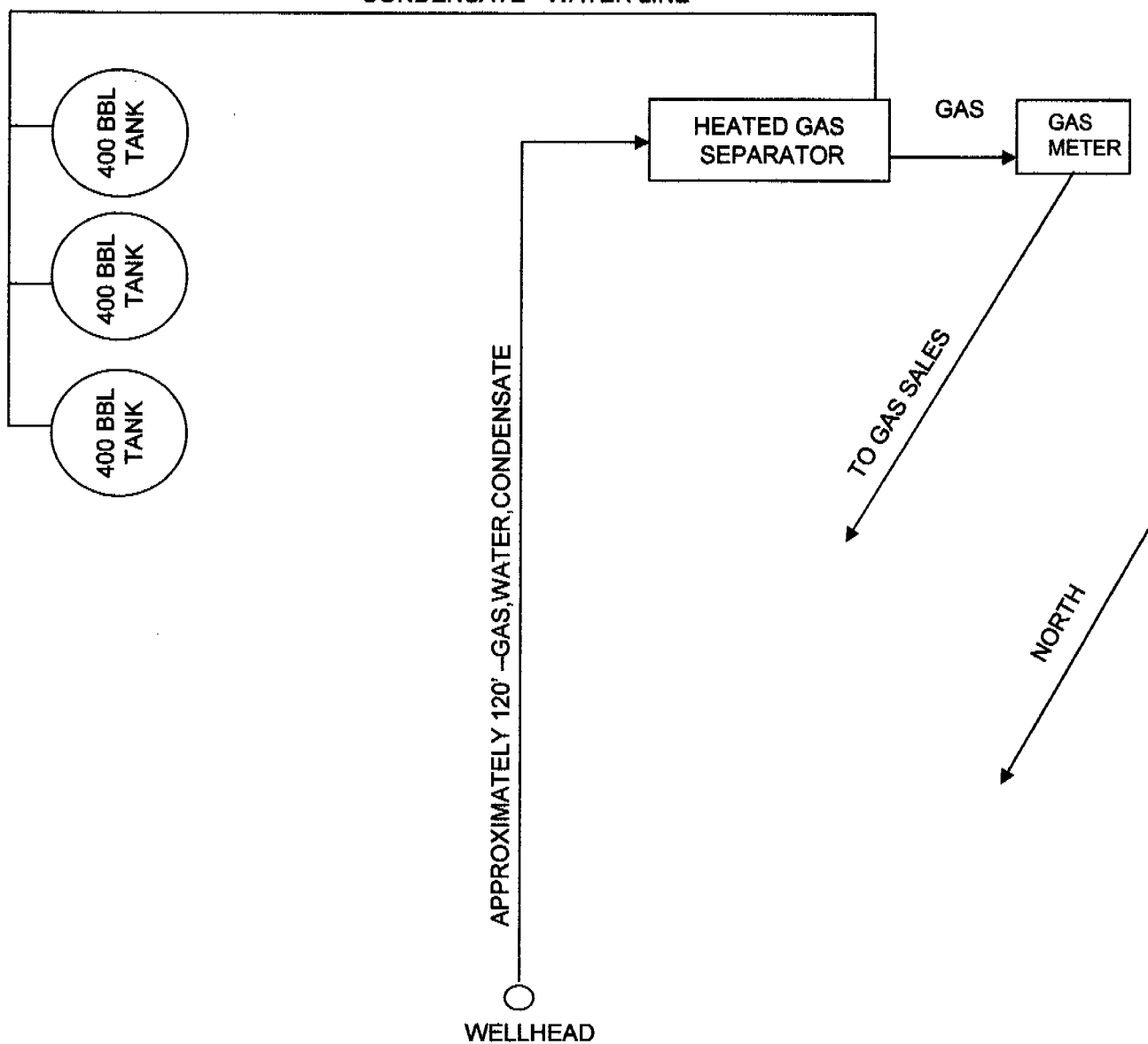
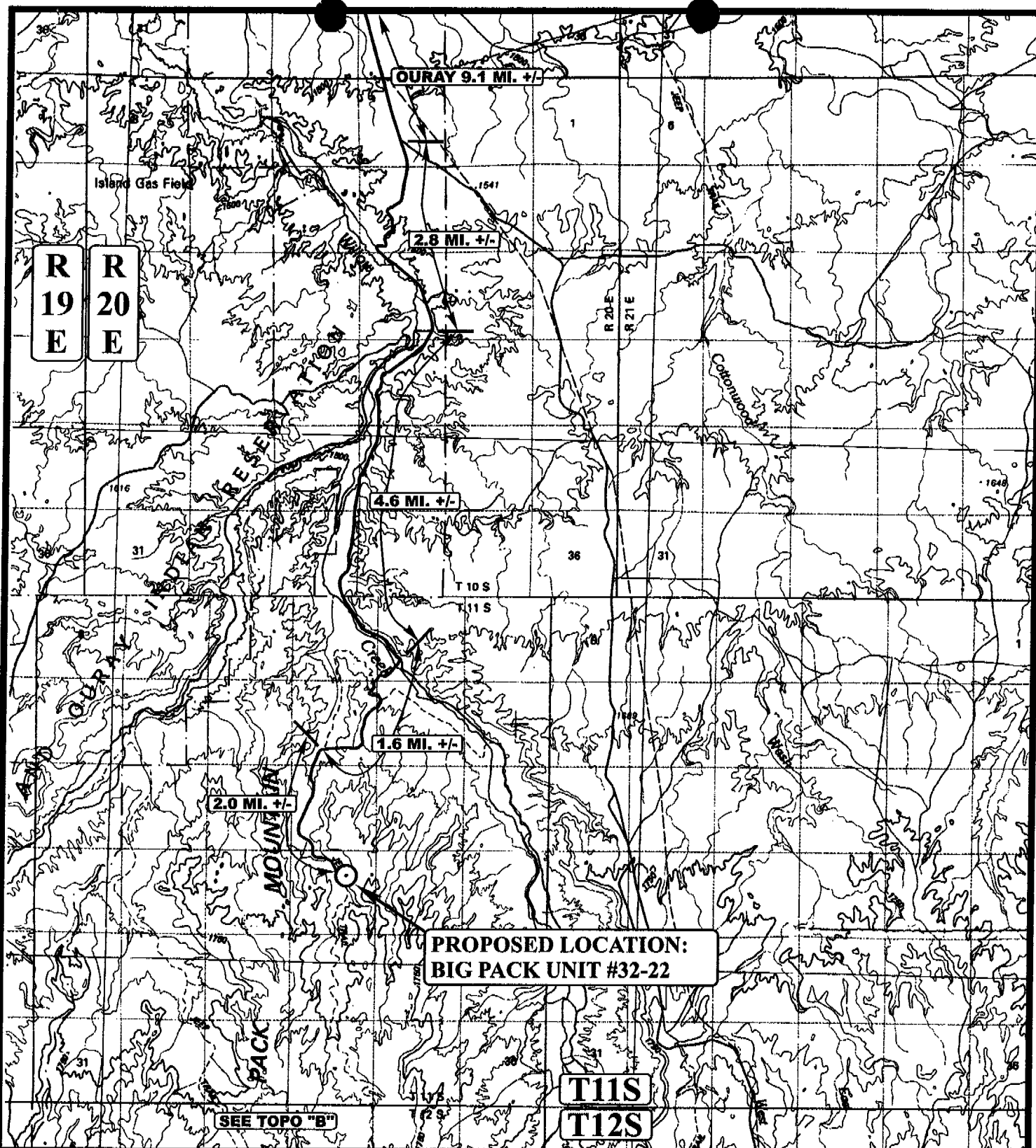


FIGURE #3
NOT TO SCALE

MAK-J ENERGY OPERATING CO, LLC
BIG PACK UNIT #32-22
FEDERAL LEASE NUMBER UTU-76267
1786' FNL & 1941' FEL
SECTION 22, T11S-R20E
UNITAH COUNTY, UTAH

350'

ACCESS ROAD



LEGEND:

○ PROPOSED LOCATION

N

MAK J ENERGY

BIG PACK UNIT #32-22
SECTION 22, T11S, R20E, S.L.B.&M.
1786' FNL 1941' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

01 31 05
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.H. REVISED: 00-00-00



T11S

PROPOSED LOCATION:
BIG PACK UNIT #32-22

SEE DETAIL "A"

PROPOSED ACCESS 50'

DETAIL "A"

R
20
E

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



MAK J ENERGY

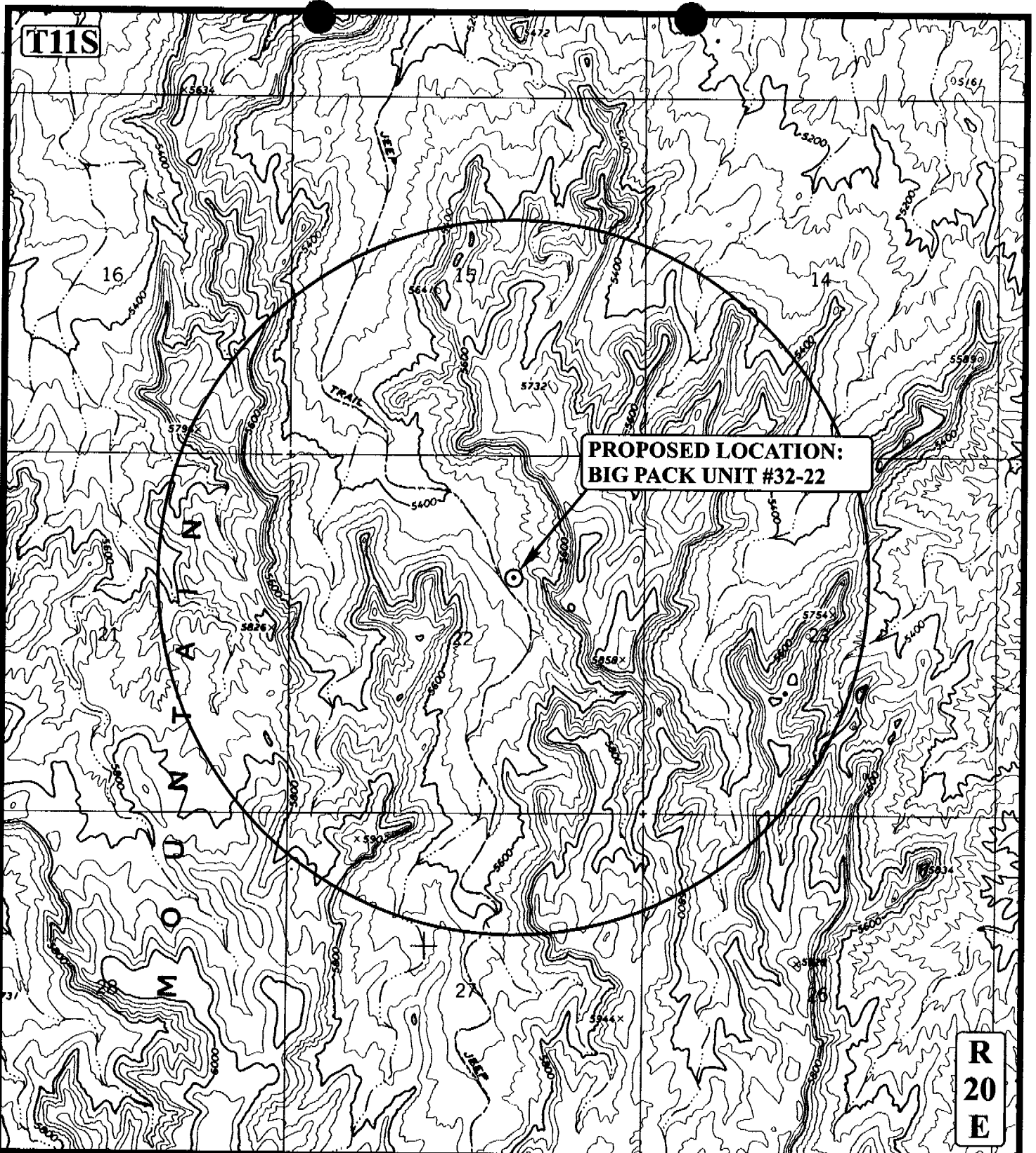
BIG PACK UNIT #32-22
SECTION 22, T11S, R20E, S.L.B.&M.
1786' FNL 1941' FEL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 02 01 05
MAP MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 00-00-00

B
TOPO



LEGEND:

- Ø DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



MAK J ENERGY

BIG PACK UNIT #32-22
SECTION 22, T11S, R20E, S.L.B.&M.
1786' FNL 1941' FEL



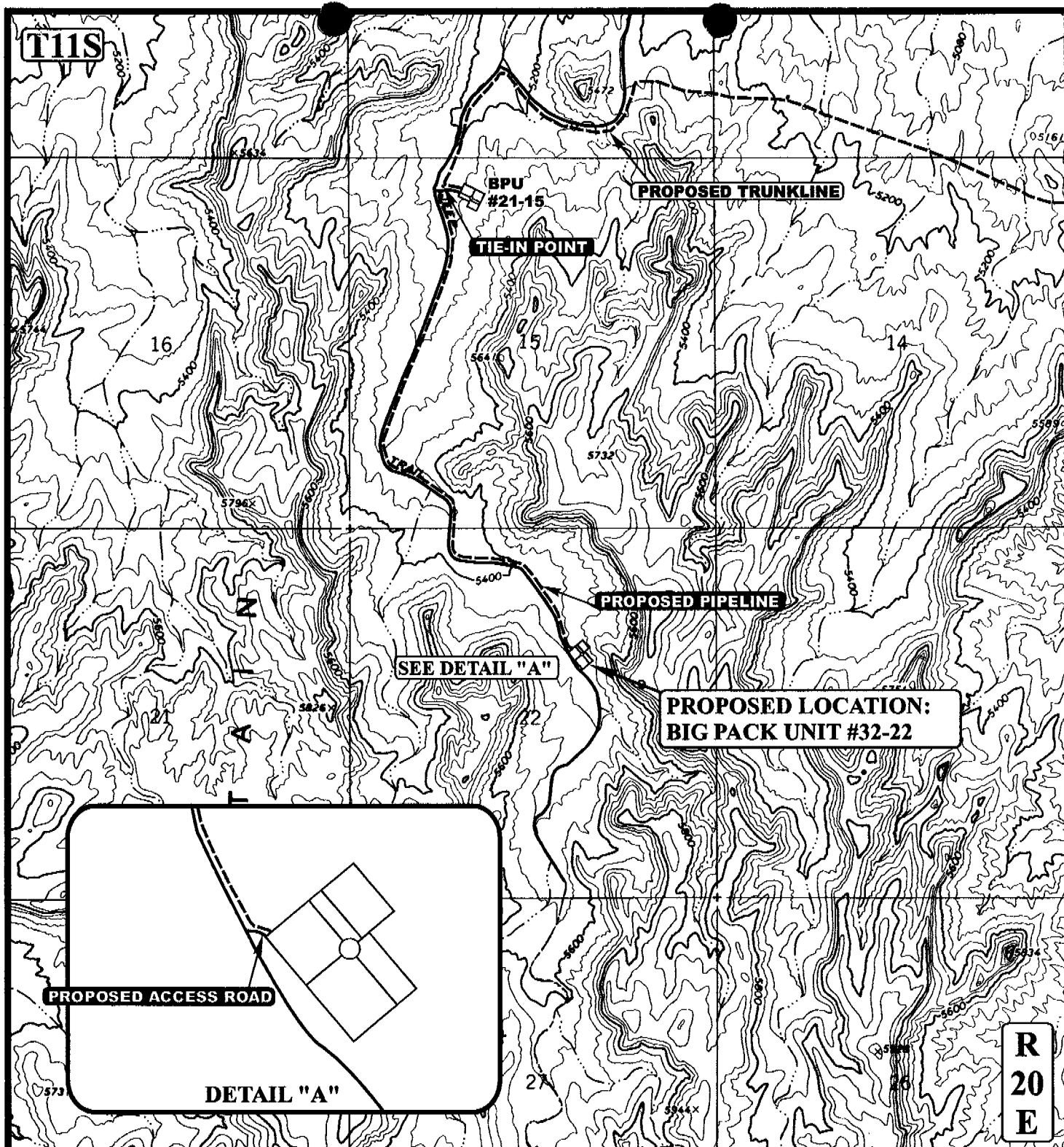
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

02 **01** **05**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 30' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



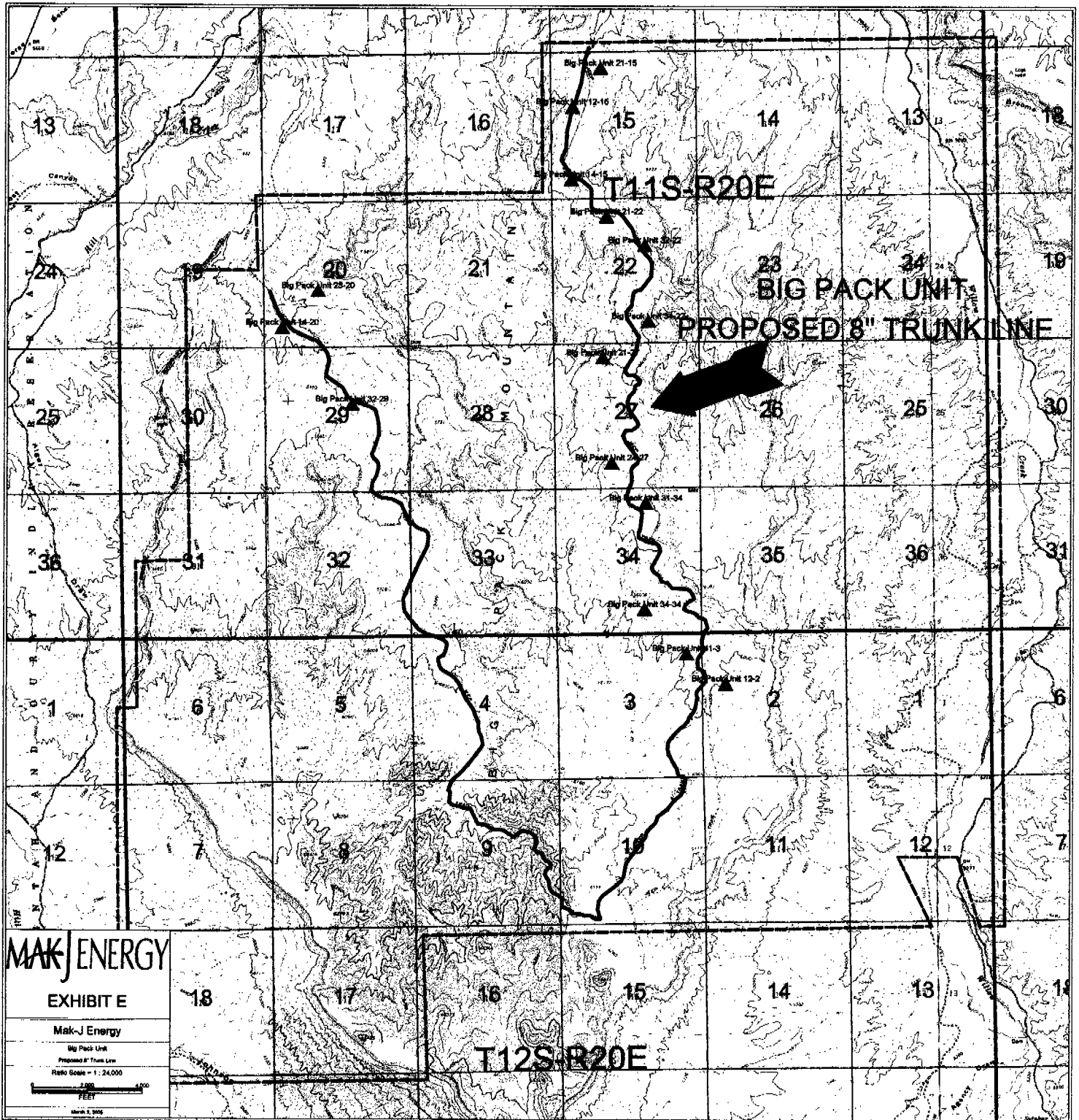
MAK J ENERGY

BIG PACK UNIT #32-22
SECTION 22, T11S, R20E, S.L.B.&M.
1786' FNL 1934' FEL

UeLs **Uintah Engineering & Land Surveying**
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC **02** **01** **05**
MAP **MONTH** **DAY** **YEAR**
SCALE: 1" = 2000' **DRAWN BY: C.H.** **REVISED: 00-00-00**

D
TOPO



CULTURAL RESOURCE INVENTORY OF
MAK-J ENERGY'S BIG PACK UNIT
16 WELL LOCATIONS
UINTAH COUNTY, UTAH

Kylie Lower-Eskelson
and
Keith Montgomery

CULTURAL RESOURCE INVENTORY OF
MAK-J ENERGY'S BIG PACK UNIT
16 WELL LOCATIONS
UINTAH COUNTY, UTAH

By:

Kylie Lower-Eskelson
and
Keith Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office
and
State of Utah
School and Institutional
Trust Lands Administration

Prepared Under Contract With:

Mak-J Energy Partners, Ltd.
370 17th Street, Suite 2710
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 05-45

March 21, 2005

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0096b,s

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

001

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: UTU-76267	6. SURFACE: Federal
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: na	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: na (proposed Big Pack Unit)	
2. NAME OF OPERATOR: Mak-J Energy Operating Company, LLC.				9. WELL NAME and NUMBER: Big Pack Unit #32-22	
3. ADDRESS OF OPERATOR: 370 17th St., Suite 2710 <small>CITY</small> Denver <small>STATE</small> Co <small>ZIP</small> 80202			PHONE NUMBER: (303) 339-5873		10. FIELD AND POOL, OR WILDCAT: Unnamed Wildcat
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1786' FNL & 1941' FEL <i>614464x 39.848286</i> AT PROPOSED PRODUCING ZONE: same as above <i>4411565Y -109.662052</i>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: swne 22 11S 20E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 20.1 miles from Ouray, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1786'		16. NUMBER OF ACRES IN LEASE: 2,200		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) na		19. PROPOSED DEPTH: 9,250		20. BOND DESCRIPTION: BLM bond #UTB000160	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5454' graded ground level		22. APPROXIMATE DATE WORK WILL START: 6/1/2005		23. ESTIMATED DURATION: 8 days	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	9 5/8"	J55	36	2,200	65/35 Pozmix	200 sxs	3.82 11.0
					'G'	300 sxs	1.15 15.8
7 7/8	4 1/2	N80	11.6	9,250	Hi-Fill V	200 sxs	3.12 11.6
					50/50 Pozmix	1180 sxs	1.25 14.36

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Todd S. McDonald TITLE Vice President

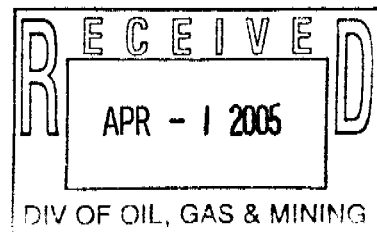
SIGNATURE *Todd S. McDonald* DATE 3/29/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36488

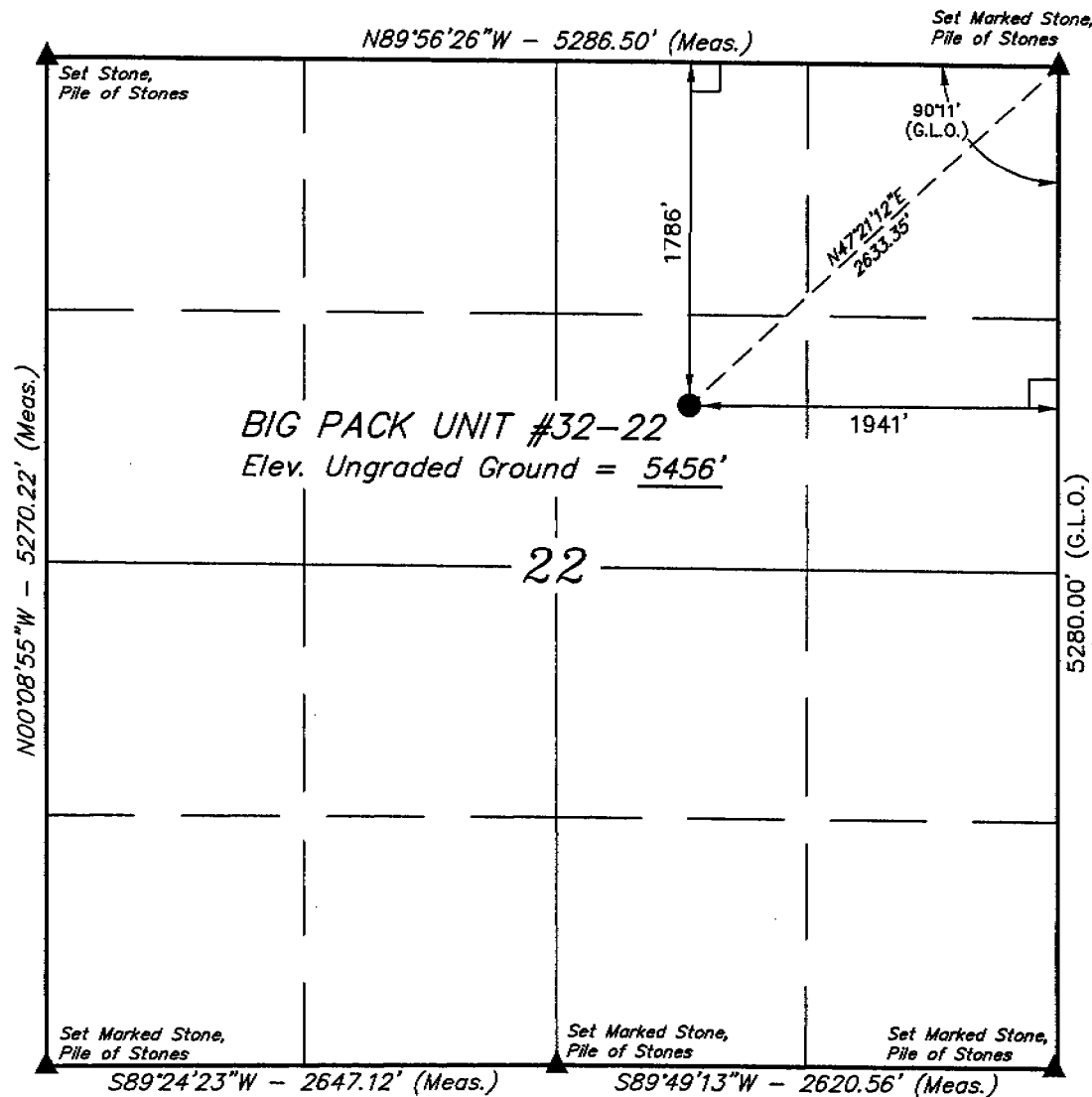
**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 04-01-05
By: *[Signature]*
(See instructions on Reverse Side)



*Federal Approval of this
Action is Necessary*

T11S, R20E, S.L.B.&M.



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

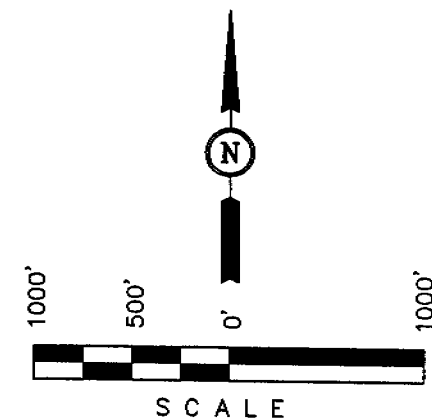
(NAD 83)
LATITUDE = 39°50'53.56" (39.848211)
LONGITUDE = 109°39'45.65" (109.662681)
(NAD 27)
LATITUDE = 39°50'53.68" (39.848244)
LONGITUDE = 109°39'43.16" (109.661989)

MAK J ENERGY

Well location, BIG PACK UNIT #32-22, located as shown in the SW 1/4 NE 1/4 of Section 22, T11S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161318
STATE OF UTAH

Revised: 2-22-05

UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 1-25-05	DATE DRAWN: 1-26-05
PARTY A.F. B.G. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE MAK J ENERGY	

003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/01/2005

API NO. ASSIGNED: 43-047-36488

WELL NAME: BIG PACK U 32-22

OPERATOR: MAK-J ENERGY PARTNERS (N2670)

CONTACT: TODD MCDONALD

PHONE NUMBER: 303-339-5873

PROPOSED LOCATION:

SWNE 22 110S 200E

SURFACE: 1786 FNL 1941 FEL

BOTTOM: 1786 FNL 1941 FEL

UINTAH

WILDCAT (1)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76267

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MNCS

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.84829

LONGITUDE: -109.6621

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000160)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 49-2179)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)

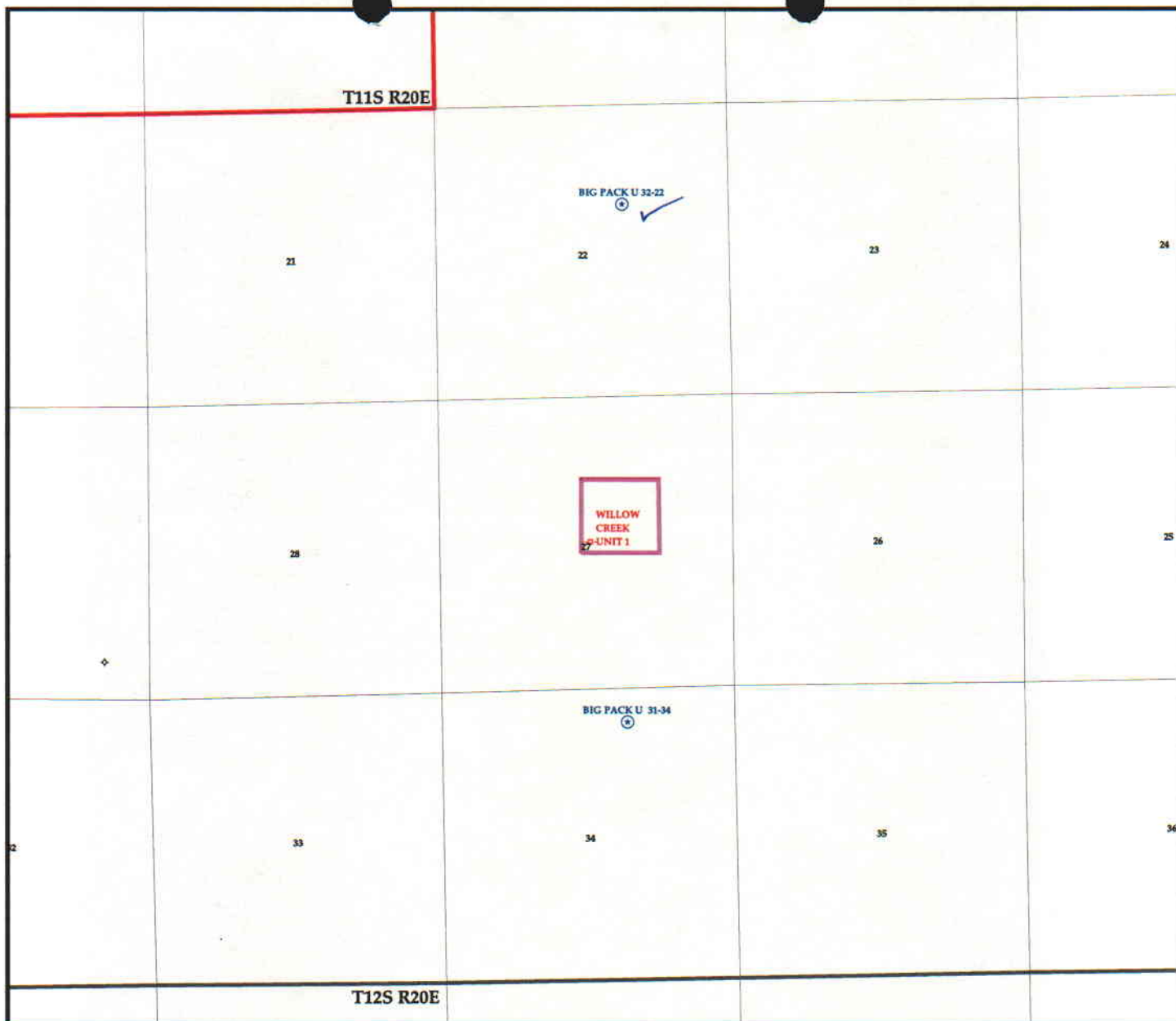
LOCATION AND SITING:

____ R649-2-3.
Unit _____
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
____ R649-3-3. Exception
____ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
____ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: _____

1- Federal Approval
2- Spacing Slip



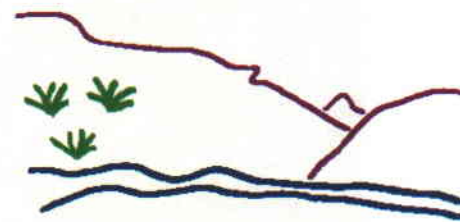
OPERATOR- MAK-J ENERGY OPER (N2670)

SEC. 22 & 34 T.11S R.20E

FIELD: WILDCAT (001)

COUNTY: UTAH

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

Wells

- ✂ GAS INJECTION
- ⊙ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- ✱ PRODUCING GAS
- PRODUCING OIL
- ⊙ SHUT-IN GAS
- ✂ SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ✂ WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY
DATE: 04-APRIL-2005



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 4, 2005

Mak-J Energy Operating Company, LLC
370 17th St., Suite 2710
Denver, CO 80202

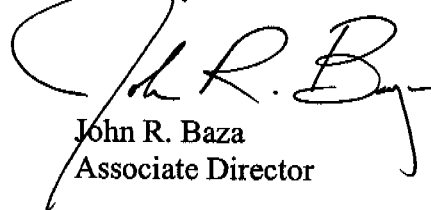
Re: Big Pack Unit 32-22 Well, 1786' FNL, 1941' FEL, SW NE, Sec. 22,
T. 11 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36488.

Sincerely,



John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Mak-J Energy Operating Company, LLC
Well Name & Number Big Pack Unit 32-22
API Number: 43-047-36488
Lease: UTU-76267

Location: SW NE **Sec.** 22 **T.** 11 South **R.** 20 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

APR 01 2005

Form 3160-3
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76267
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name na
2. Name of Operator Mak-J Energy Operating Company, LLC		7. If Unit or CA Agreement, Name and No. na (proposed Big Pack Unit)
3a. Address 370 17th Street, Suite 2710 Denver, Colorado 80202	3b. Phone No. (include area code) 303-339-5873	8. Lease Name and Well No. Big Pack Unit #32-22
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1786' FNL & 1941' FEL At proposed prod. zone same as above		9. API Well No. 43-047-36488
14. Distance in miles and direction from nearest town or post office* 20.1 miles to Ouray, Utah		10. Field and Pool, or Exploratory Unnamed
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1786'	16. No. of acres in lease 2,200	11. Sec., T. R. M. or Blk. and Survey or Area Section 22, T11S-R20E, S.L.B. & M.
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. na	19. Proposed Depth 9,250'	12. County or Parish Uintah
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5454' graded ground level	22. Approximate date work will start* 06/01/2005	13. State Ut
20. BLM/BIA Bond No. on file UTB000160		23. Estimated duration 8 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Todd S. McDonald</i>	Name (Printed/Typed) Todd S. McDonald	Date 03/29/2005
Title Vice President		
Approved by (Signature) <i>James B. Cleaving</i>	Name (Printed/Typed)	Date 08/04/2005
Title Assistant Field Manager Mineral Resources	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

NOTICE OF APPROVAL
RECEIVED
AUG 11 2005
DIV. OF OIL, GAS & MINING

UDOGM

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Mak-J Energy Operating LLC.

Well Name & Number: Big Pack Unit 32-22

Lease Number: U-76267

API Number: 43-047-36488

Location: SWNE Sec. 22 T. 11S R. 20E

Agreement: Big Pack Unit

CONDITIONS OF APPROVAL FOR DRILLING

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to John Mayers of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil & Gas Order No. 2, regarding air or gas drilling shall be adhered to.

3. Casing Program and Auxiliary Equipment

The top 200' of cement behind the production casing must consists of neat Class G or equivalent.

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft of casing string length or 1500 psi, whichever is greater but not to exceed 70% of the minimum internal yield.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

A cement bond log (CBL) will be run from the production casing shoe to top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Written notification of such must be submitted to this office not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform to Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874
Petroleum Engineer

Michael Lee (435) 828-7875
Petroleum Engineer

Matt Baker (435) 828-4470
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the resspreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

The Willow Creek Trunkline will not be constructed.

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Mak-J Energy Operating Company, LLC Operator Account Number: N 2670
Address: 370 17TH STREET, Suite 2710
city Denver
state CO zip 80202 Phone Number: (303) 339-5871

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736488	Big Pack Unit 32-22		SWNE	22	11S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	14929	9/9/2005			9/15/05	
Comments: <u>MNC S</u> <u>BIG PACK UNIT</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Doris Maly

Name (Please Print)

Signature

Sr Engineering Tech

Title

9/12/2005

Date

RECEIVED

SEP 14 2005

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76267
2. NAME OF OPERATOR: MAK-J ENERGY OPERATING COMPANY, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 370 17TH STREET, STE 271, CITY DENVER STATE CO Zip 80202		7. UNIT or CA AGREEMENT NAME: BIG PACK UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786' FNL & 1941' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 22 11S 20E		8. WELL NAME and NUMBER: BIG PACK UNIT #32-22
PHONE NUMBER: (303) 339-5871		9. API NUMBER: 4304736488
		10. FIELD AND POOL, OR WILDCAT: WILDCAT
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: Spud / surface
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	casing / cement

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well spud at 2:00 PM, September 9, 2005. 12 1/4" hole was drilled from 40' KB to 2,225' KB.

Casing

Ran 52 joints, 9 5/8", 36 #/ft, J55, ST&C, new casing. Landed at 2,225' KB

Cement

Cemented with 200 sacks Premium Cement containing 16% gel, 10#/sx Gilsonite, 3% GR-3, 3% salt and 1/4#/sx Flocele followed by 200 sxs Premium Cement containing 2% CaCl and 1/4#/sx Flocele. Bumped plug, float held. Top out with 115 sxs Premium Cement containing 2% CaCl and 1/4#/sx Flocele. Circulated 30 sxs cement to pit.

NAME (PLEASE PRINT) TODD S. MCDONALD	TITLE VICE PRESIDENT
SIGNATURE <i>Todd S. McDonald</i>	DATE 9/16/2005

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SEP 19 2005

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76267
2. NAME OF OPERATOR: MAK-J ENERGY OPERATING COMPANY, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 370 17TH STREET, STE 271 CITY DENVER STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: BIG PACK UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786' FNL & 1941' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 22 11S 20E		8. WELL NAME and NUMBER: BIG PACK UNIT #32-22
PHONE NUMBER: (303) 339-5871		9. API NUMBER: 4304736488
		10. FIELD AND POOL, OR WILDCAT: WILDCAT
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: production casing /
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	cement

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Total depth of 9,015' KB was reached at 7:00 hours 10/18/2005

Casing

Ran 214 joints, 4 1/2", 11.6 #/ft, M80, LT&C, new casing. Landed at 9,015' KB

Cement

Cemented with 340 sacks Hi-Fill cement containing 16% gel, 0.6% EX-1, 3% salt, 1% HR-7, 1/4 #/sx flocele, 10 #/sx gilsonite (weight= 11.0 #/ga, yield = 3.82 cu.ft./sx, mixing water = 22.9 gal/sx) followed by 1840 sxs 50/50 Pozmix Premium AG containing 2% gel, 0.6% Halad-322, 2% Microbond, 5% salt, 1/4 #/sx flocele, 0.2% Super CBL (weight = 14.35 lb/gal, 1.24 cu. ft./sx, mixing water = 5.38 gal/sx). Bumped plug, float held.

NAME (PLEASE PRINT) TODD S. MCDONALD	TITLE VICE PRESIDENT
SIGNATURE <i>Todd S. McDonald</i>	DATE 10/25/2005

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OCT 27 2005

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER _____

2. NAME OF OPERATOR: MAK-J ENERGY OPERATING COMPANY, LLC

3. ADDRESS OF OPERATOR: 370 17TH STREET CITY DENVER STATE CO ZIP 80202 PHONE NUMBER: (303) 339-5873

4. LOCATION OF WELL (FOOTAGES): AT SURFACE: 1786' FNL, 1941' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: SAME
AT TOTAL DEPTH: SAME

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 76267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME: BIG PACK UNIT

8. WELL NAME and NUMBER: BIG PACK UNIT #32-22

9. API NUMBER: 4304736488

10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 22 11S 20E S

12. COUNTY: Uintah 13. STATE: UTAH

14. DATE SPUDED: 9/9/2005 15. DATE T.D. REACHED: 10/18/2005 16. DATE COMPLETED: 8/10/2006 ABANDONED ☐ READY TO PRODUCE ☒

18. TOTAL DEPTH: MD 9,015 TVD 19. PLUG BACK T.D.: MD 8,968 TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each): Spectral Density, Neutron, Induction, CBL

23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4	9 5/8 J55	36	0	2,225		Prem 515		surface	
7 7/8	4 1/2 M80	11.6	0	9,015		HI FILL 340		1000 CBL	
						POZ 1,840			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	8,096							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	8,083	8,321			8,083 8,321	.34	25	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8083' - 8321'	142,800 GAL Lightning 20 containing 341,000#'s 20/40 resin coat, 30% nitrogen

29. ENCLOSED ATTACHMENTS:

- ☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

WOPL

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31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

31. INITIAL PRODUCTION				INTERVAL A (As shown in Item #26)																	
DATE FIRST PRODUCED: 7/26/2006		TEST DATE: 8/10/2006		HOURS TESTED: 102		TEST PRODUCTION RATES: →		OIL – BBL: 68		GAS – MCF: 574		WATER – BBL: 14		PROD. METHOD: FLOWING							
CHOKE SIZE: 8/64		TGB. PRESS. 360		CSG. PRESS. 900		API GRAVITY		BTU – GAS		GAS/OIL RATIO 8,438		24 HR PRODUCTION RATES: →		OIL – BBL: 16		GAS – MCF: 135		WATER – BBL: 3		INTERVAL STATUS: WOPL	

INTERVAL B (As shown in Item #26)

INTERVAL B (As shown in Item #20)										
DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

INTERVAL C (AS SHOWN IN INTERVAL)										
DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

INTERVAL D (AS SHOWN IN ROW #27)										
DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

shut in

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Mesaverde	6,753	8,836	gas, oil, water	Uteland Butte	3,480
Wasatch	3,620	6,753	gas	Wasatch	3,620
				Mesaverde	6,753
				Sequo	8,836
				Castlegate	8,897
				Total Depth	9,015

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Todd S. McDonaldTITLE Vice President

SIGNATURE

DATE 8/23/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

MAK J ENERGY

MAK-J Energy Operating Company, LLC
370 17th Street, Suite 2710
Denver, Colorado 80202

303-468-0090 VOICE
303-468-0092 FAX

State of Utah
Division of Oil Gas and Mining
P O Box 145801
Salt Lake City, Utah 84114-5801

Re: Big Pack Unit #32-22
Sec 22, T11S R20E
Uintah County, UT
API: 43-047-36488

Dear Sirs:

Enclosed find a CD containing LAS format of open hole logs run on the above reference well. Please acknowledge its receipt since this is the second CD sent to you for this well.

Sincerely


Doris Maly

Sr Engineering Technician

RECEIVED
DEC 19 2006

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/25/2007

FROM: (Old Operator):

N2670-Mak-J Energy Operating Company, LLC
370 17th St., Suite 2710
Denver, CO 80202

Phone: 1 (303) 339-5871

TO: (New Operator):

N1095-Dominion Exploration & Production, Inc
14000 Quail Springs Pkwy, Suite 600
Oklahoma City, OK 73134

Phone: 1-(405) 749-1300

CA No.

Unit:

BIG PACK

SEE ATTACHED FOR WELL LIST

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 2/14/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/14/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/27/2007
- 4a. Is the new operator registered in the State of Utah: Business Number: 852894-0143
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: 2/14/2007
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
7. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
8. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2007
3. Bond information entered in RBDMS on: 2/28/2007
4. Fee/State wells attached to bond in RBDMS on: 2/28/2007
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 2/14/2007

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 76S630500330
2. Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 76S63050600
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-76267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Big Pack Unit

8. WELL NAME and NUMBER:

Big Pack Unit 32-22

9. API NUMBER:

4304736488

10. FIELD AND POOL, OR WILDCAT:

Wildcat

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR:

MAK-J ENERGY OPERATING COMPANY, LLC

3. ADDRESS OF OPERATOR:

370 17TH STREET

CITY Denver

STATE CO

ZIP 80202

PHONE NUMBER:

(303) 339-5871

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1786' FNL, & 1941' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 22 11S 20E S

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Mak-J Energy Partners, Ltd has sold its interest in the above referenced well to Dominion Exploration & Production, Inc. effective: 01/25/2007.

David B. Oshel, Attorney in Fact
Dominion Exploration & Production, Inc
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

1-26-07
Date

Above referenced well is covered by Dominion's BLM Bond # 765 63050 0330 and UT Bond # 1043322

NAME (PLEASE PRINT)

Steve Van Hook

TITLE

Vice President

SIGNATURE

DATE

1/25/2007

(This space for State use only)

APPROVED 2138106
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

FEB 14 2007

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

FEB 27 2007

Dominion Exploration & Production, Inc.
Attn: Pam Robbins
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134-2600

Re: Big Pack Unit (UTU-82244X)
Uintah County, Utah

Gentlemen:

On February 20, 2007, we received an indenture dated January 25, 2007, whereby MAK-J Energy Operating Company, LLC resigned as Unit Operator and Dominion Exploration & Production, Inc. was designated as Successor Unit Operator for the Big Pack Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Big Pack Unit Agreement.

Your Wyoming nationwide oil and gas bond, No. WY3322 will be used to cover all Federal operations within the Big Pack Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ R. A. Mckee

R. A. Mckee
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED

MAR 01 2007

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

7/1/2007

FROM: (Old Operator): N1095-Dominion Exploration & Production, Inc 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134 Phone: 1 (405) 749-1300	TO: (New Operator): N2615-XTO Energy Inc 810 Houston St Fort Worth, TX 76102 Phone: 1 (817) 870-2800
--	--

CA No.				Unit:	BIG PACK			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: _____
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000138
 - Indian well(s) covered by Bond Number: n/a
 - a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
 - b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008
- The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: XTO Energy Inc. <i>N2615</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (817) 870-2800		8. WELL NAME and NUMBER: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		9. API NUMBER: SEE ATTACHED
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

N1095

James D. Abercrombie
James D. Abercrombie
Sr. Vice President, General Manager - Western Business Unit
(405) 749-1300

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) <u>Edwin S. Ryan, Jr.</u>	TITLE <u>Sr. Vice President - Land Administration</u>
SIGNATURE <i>Edwin S. Ryan, Jr.</i>	DATE <u>7/31/2007</u>

(This space for State use only)

APPROVED *9127107*

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

AUG 06 2007

DIV. OF OIL, GAS & MINING

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

BIG PACK UNIT

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304731775	WILLOW CREEK UNIT 1	SWNE	27	110S	200E	U-34705	10804	Federal	GW	S
4304736488	BIG PACK U 32-22	SWNE	22	110S	200E	UTU-76267	14929	Federal	GW	S
4304736489	BIG PACK U 31-34	NWNE	34	110S	200E	UTU-34705	14961	Federal	GW	OPS
4304736540	BIG PACK U 3-15H	NENW	15	110S	200E	UTU-76266	99999	Federal	GW	DRL
4304736555	BIG PACK U 41-3	NENE	03	120S	200E	UTU-76311	15030	Federal	GW	OPS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

Dominion Exploration & Production, Inc.
Attn: James D. Abercrombie
14000 Quail Springs Parkway, #600
Oklahoma City, OK 73134-2600

August 10, 2007

Re: Big Pack Bend Unit
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the Big Pack Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Big Pack Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED

AUG 16 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

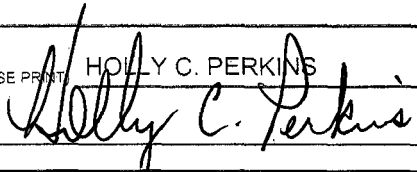
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76267
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: BIG PACK UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786' FNL & 1941' FEL		8. WELL NAME and NUMBER: BPU 32-22
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 22 11S 20E S		9. API NUMBER: 4304736488
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: WASATCH MESAVERDE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE/TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/17/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: FIRST DELIVERY
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The BPU 32-22 was drilled & completed by Mak J Energy in August, 2006. XTO Energy Inc is the new operator of this well and first delivered to Canyon Gas through the Little Canyon CDP @ 1:30 pm, 10/17/2007. Initial flow rate was 1000 MCFPD.

NAME (PLEASE PRINT) HOLLY C. PERKINS	TITLE REGULATORY COMPLIANCE TECH
SIGNATURE 	DATE 10/19/2007

(This space for State use only)

RECEIVED
OCT 24 2007
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-76267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
N/A

7. UNIT or CA AGREEMENT NAME:
BIG PACK UNIT

8. WELL NAME and NUMBER:
BPU 32-22

9. API NUMBER:
4304736488

10. FIELD AND POOL, OR WILDCAT:
WILDCAT

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
XTO ENERGY INC.

3. ADDRESS OF OPERATOR:
382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER:
(505) 333-3100

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1786' FNL & 1914 'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 22 11S 20E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 3/15/2008	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WATER ISOLATION TEST
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. proposes to conduct a water isolation test on this well per attached procedure.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) HOLLY C. PERKINS

TITLE REGULATORY COMPLIANCE TECH

SIGNATURE

DATE 2/28/2008

(This space for State use only)

RECEIVED
MAR 03 2008
DIV. OF OIL, GAS & MINING

Big Pack Unit #32-22
Unit G, Sec 22, T 11 S, R 20 E
Uintah County, Utah

Water Isolation Test

Cond csg: 13-3/8", 68#, H-40, ST&C csg @ 40'. Circ cmt to surf.

Surf csg: 9-5/8", 36#, J-55, ST&C csg @ 2,212'. Circ cmt to surf.

Prod csg: 4-1/2", 11.6#, M-80, LT&C csg @ 9,012'. FC @ 8,972'. PBDT @ 8,972'. Drift = 3.875".
Capacity = 0.0155 bbls/ft.

Cement: 340 sx Hi-Fill cmt w/16% gel, 0.6% EX-1, 3% salt, 1% HR-7, 1/4 pps Flocele, & 10 pps Gilsonite (mixed @ 11.0 ppg & 3.82 cuft/ft) + 1,840 sx 50/50 POZ cmt w/2% gel, 0.6% Halad-322, 2% Microbond, 5% salt, 1/4 pps Flocele, & 0.2% Super CBL (mixed @ 14.35 ppg & 1.24 cuft/ft). Did not circ cmt to surface.

Tbg: NC, pmp-off sub, 1 jt 2-3/8" tbg, X nip, & 248 jts 2-3/8" tbg. EOT @ 8,065'

Perforations: MV: 8,083'-8,091' (1 spf, 8 ttl), 8,121'-8,124' (1 spf, 3 ttl), 8,179'-8,182' (1 spf, 3 ttl), 8,268'-8,271' (2 spf, 6 ttl), 8,316'-8,321' (1 spf, 5 ttl)

Current: Flowing

Isolation Procedure

- 1) MIRU PU. MI 1 - 500 bbl frac tank and 1 flow back tank. Fill the frac tank with 2% KCl water.
- 2) ND WH. NU BOP.
- 3) TOH w/2-3/8" tbg. TIH with 4-1/2" RBP, RBP release tool, 4-1/2" packer, and 2-3/8" tbg to surface.
- 4) Set RBP and packer based on the swab testing schedule below. *Note: If zone being tested kicks off, kill well and proceed up hole. If zone does not kick off, contact Brock Hendrickson and wait for further instructions before proceeding.*

TEST ZONE	PERF	RBP SET DEPTH	PKR SET DEPTH
Zone 1	8,083'-8,091'	8,100'	8,050'
Zone 2	8,121'-8,124'	8,150'	8,100'
Zone 3	8,179'-8,182'	8,200'	8,150'
Zone 4	8,268'-8,271'	8,290'	8,200'
Zone 5	8,316'-8,321'	8,350'	8,290'

- 5) Once determining all applicable water zones, begin to prep well for cement squeeze operations.
- 6) TOH with BHA.
- 7) TIH with CIBP 100' below squeeze interval (if CIBP can not be set 100' below squeeze interval, contact Brock Hendrickson and wait for further instructions). TOH with setting tool.
- 8) TIH with 4-1/2" packer, SN, and 2-3/8" tbg. Set packer 100' above perforations (if packer can not be set 100' above squeeze interval, contact Brock Hendrickson and wait for further instructions).

9) CONTACT BLM/Utah OGC PRIOR TO SQUEEZE OPERATIONS.

- 10) **Amount of cement sacks to be determined after isolating water zones.** Pump ASTM Type III cmt with 3% CaCl₂ (mixed @ 14.8 ppg & 1.32 cuft/ft) down tbg. Flush with 2% KCl water to end of BHA, plus an additional 2 bbls over tbg volume.
- 11) Unset packer and TOH two stands. Reverse circulate tubing clean and reset packer. Pressure tubing to 500 psig and allow squeeze to set overnight.
- 12) TOH with BHA (*if multiple squeezes are needed*).
- 13) Continue with steps 7 through 11 until all water zones are squeezed.
- 14) ALLOW SQUEEZE TO SET FOR AT LEAST 24 HOURS.
- 15) TOH with tubing and packer.
- 16) TIH with 3-7/8" mill, SN, and 2-3/8" tubing.
- 17) Clean out to PBTD (8,972'). Pressure test casing to 500 psig for 30". Record test on chart.
- 18) TOH w/BHA.
- 19) TIH w/NC, SN, and 2-3/8" tubing. Land EOT @ ±8,251', SN @ ±8,250'.
- 20) Swab well until clean fluid is obtained and well kicks off.
- 21) RDMO PU. Return well to production.
- 22) Report rates and pressures to Brock Hendrickson.

Regulatory:

1. Obtain verbal approvals for water isolation squeezes, once determined.
2. Submit subsequent sundry for water isolation squeezes.

Equipment:

1. 4-1/2" RBP & packer

BIG PACK UNIT #32-22 WELLBORE DIAGRAM

KB: 5,468
GL: 5,454
CORR: 14'

DATA

LOCATION: 1,786' FNL & 1,941' FEL, UNIT G, SEC 22, T 11S, R 20E

COUNTY/STATE: UINTAH COUNTY, UTAH

FIELD: NATURAL BUTTES

FORMATION: WASATCH/MESAVERDE

FED LEASE #: UTU-76267 **API #:** 43-047-36488

CTOC WELL #: 164707

SPUD DATE: 09/09/05

COMPLETION DATE: 08/10/06

IP: F. 68 BO, 14 BW, 574 MCF, FTP 360 PSIG, SICP 900 PSIG, 1/8" CK, 102 HRS

PRODUCTION METHOD: FLOWING

TUBING STRING: NC, PMP-OFF SUB, 1 JT 2-3/8" TBG, X NIP, & 248 JTS 2-3/8" TBG. EOT @ 8,065'

PERFS: MV: 8,083'-8,091' (1 SPF, 8 TTL), 8,121'-8,124' (1 SPF, 3 TTL), 8,179'-8,182' (1 SPF, 3 TTL), 8,268'-8,271' (2 SPF, 6 TTL), 8,316'-8,321' (1 SPF, 5 TTL)

HISTORY

09/08/05: DRILL 17-1/2" HOLE TO 40'. SET 1 JT 13-3/8", 68#, H-40 COND CSG @ 40'. CMT W/READY MIX TO SURF.

09/09/05: SPUD 12-1/4" HOLE. DRILLED TO 2,250'. SET 52 JTS 9-5/8", 36#, J-55 ST&C CSG @ 2,212'. CMTD W/200 SX LEAD CMT W/16% GEL, 10 PPS GILSONITE, 3 PPS GR-3, 3% SALT, & 1/4 PPS FLOCELE (MIXED @ 11.0 PPG & 3.82 CUFT/FT) + 200 SX TAIL CMT W/2% CACL2 & 1/4 PPS FLOCELE (MIXED @ 15.8 PPG & 1.5 CUFT/FT). TOP OFF W/115 SX TAIL CMT. CIRC 20 BBLS CMT TO SURF. RDMO DRLG RIG.

09/29/05: MIRU DRLG RIG.

10/18/05: DRILLED 7-7/8" HOLE TO 9,015' @ 07:00. MIRU HALLIBURTON WL. RUN TRIPLE COMBO LOG. RDMO WL.

10/20/05: SET 214 JTS 4-1/2", 11.6#, M-80, LT&C CSG @ 9,012'. FC @ 8,972'. MARKER JT @ 3,715'. CMTD W/340 SX HI-FILL CMT W/16% GEL, 0.6% EX-1, 3% SALT, 1% HR-7, 1/4 PPS FLOCELE, & 10 PPS GILSONITE (MIXED @ 11.0 PPG & 3.82 CUFT/FT) + 1,840 SX 50/50 POZ CMT W/2% GEL, 0.6% HALAD-322, 2% MICROBOND, 5% SALT, 1/4 PPS FLOCELE, & 0.2% SUPER CBL (MIXED @ 14.35 PPG & 1.24 CUFT/FT). DID NOT CIRC CMT TO SURF. RDMO DRLG RIG.

07/09/06: MIRU WL. RAN GR/CCL/CBL FR/8,972'-2,212'. RDMO WL.

07/15/06: MIRU WL. PERF MV FR/8,083'-8,091' (1 SPF, 8 TTL), 8,121'-8,124' (1 SPF, 3 TTL), 8,179'-8,182' (1 SPF, 3 TTL), 8,268'-8,271' (2 SPF, 6 TTL), 8,316'-8,321' (1 SPF, 5 TTL). RDMO WL.

07/19/06: MIRU FRAC. ABORT FRAC ON 2 PPA SD STAGE, DUE TO PRES.

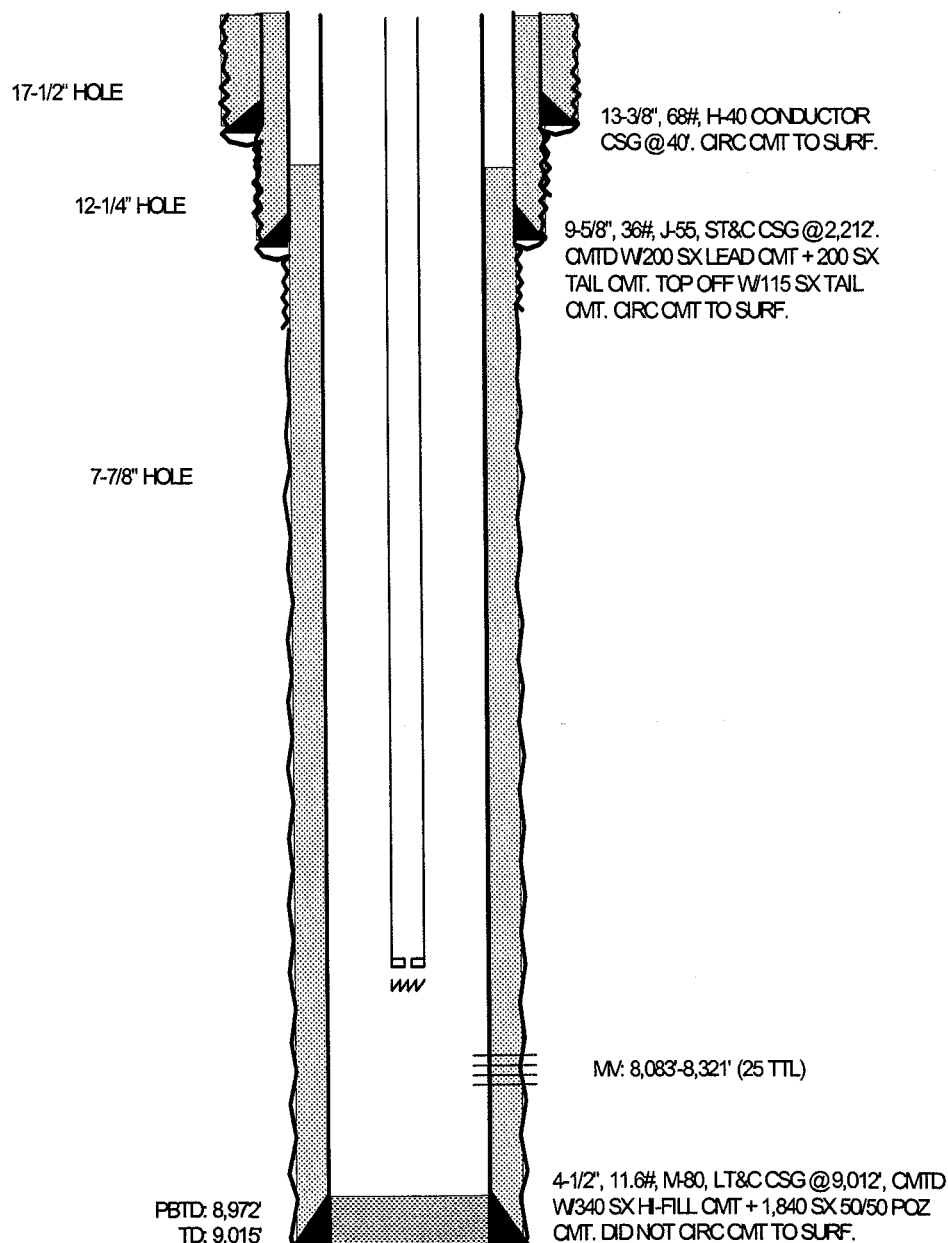
07/20/06: FRAC W/115,290 GALS 30Q N2 FOAM W/254,700# 20/40 TEMPERED LC SD. AIR 27.6 BPM, ATP 5,018 PSIG. RDMO FRAC. MIRU SNUB. TIH W/NC, PMP-OFF SUB, 1 JT 2-3/8" TBG, X NIP, & 248 JTS 2-3/8" TBG. EOT @ 8,065'. PMP OFF SUB. RDMO SNUB.

07/26/06: 1ST DEL TO SALES.

08/10/06: RAN IP TST. F. 68 BO, 14 BW, 574 MCF, FTP 360 PSIG, SICP 900 PSIG, 1/8" CK, 102 HRS

01/25/07: DOMINION E&P ASSUMES OPERATIONS.

08/01/07: XTO ENERGY ASSUMES OPERATIONS.





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3160 – UTU82244X
(UT922100)

JUN 21 2012

Ms. Rebecca Bodenhamer
XTO Energy Inc.
810 Houston Street
Fort Worth, TX 76102-6298

RECEIVED

JUN 22 2012

DIV OF OIL, GAS & MINING

Re: Well Determinations
Big Pack Unit
Uintah County, Utah

Dear Ms. Bodenhamer:

Pursuant to your request of May 31, 2012, modified by email on June 12, 2012, it has been determined by this office that under existing conditions the following wells within the Big Pack Unit are capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

API Number	Well Name	Location					Completion Date
4304736939	3-27H	NE¼NW¼	Section 27	T11S	R20E	SLB&M	10/17/2008
4304736555	41-3	NE¼NE¼	Section 3	T12S	R20E	SLB&M	10/07/2008

Please file appropriate Participating Area applications for these wells at your earliest convenience.

Pursuant to the same request, it has been determined by this office that under existing conditions the following wells are not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

API Number	Well Name	Location					Completion Date	Lease
4304736488	32-22	SW¼NE¼	Section 22	T11S	R20E	SLB&M	08/10/2006	UTU76267
4304736489	31-34	NW¼NE¼	Section 34	T11S	R20E	SLB&M	12/21/2007	UTU34705
4304740008	3-23H	NE¼NW¼	Section 23	T11S	R20E	SLB&M	02/09/2009	UTU76267

All past and future production from these wells shall be handled and reported on a lease basis.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76267
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: XTO ENERGY INC		7. UNIT or CA AGREEMENT NAME: BIG PACK
3. ADDRESS OF OPERATOR: PO Box 6501, Englewood, CO, 80155		8. WELL NAME and NUMBER: BIG PACK U 32-22
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786 FNL 1941 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 11.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047364880000
9. FIELD and POOL or WILDCAT: HILL CREEK		COUNTY: UINTAH
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/1/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="OAP"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. XTO Energy Inc. intends to open additional pay in this well per the attached procedure. See also attached, a current wellbore diagram.		
Accepted by the Utah Division of Oil, Gas and Mining Date: February 25, 2013 By: <u>Derek Quist</u>		
NAME (PLEASE PRINT) Barbara Nicol	PHONE NUMBER 303-397-3736	TITLE Regulatory Compliance Tech
SIGNATURE N/A	DATE 2/20/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047364880000

Request for completion in to two or more pools should be submitted in accordance with rule R649-3-22 prior to commingling production.

XTO plans to refrac and open additional pay in the Big Pack Unit 32-22 with 3 stages as follows:

Stage 1 - Refrac

Down casing

Top Perf: 8,083'

Bottom Perf: 8,321'

Formation: Mesaverde

Number of Holes: 29 (existing)

Fluid Volume: 115,129 gallons

Sand Weight: 300,000 lbs

Plug Depth: 6,200'

Stage 2 – Open Additional Pay

Down casing

Top Perf: 5,700'

Bottom Perf: 6,050'

Formation: Wasatch

Number of Holes: 40

Fluid Volume: 50,490 gallons

Sand Weight: 120,000 lbs

Plug Depth: 4,800'

Stage 3 – Open Additional Pay

Down casing

Top Perf: 3,687'

Bottom Perf: 4,715'

Formation: Wasatch

Number of Holes: 24

Fluid Volume: 24,679 gallons

Sand Weight: 52,000 lbs

Contact Information:

Hannah Franka, Operations Engineer (Denver)

303-397-3607 (office) 720-539-1663 (cell)



XTO - Wellbore Diagram

Well Name: Big Pack Unit 32-22

API/UWI 43047364880000	E/W Dist (ft) 1,941.0	E/W Ref FEL	N/S Dist (ft) 1,786.0	N/S Ref FNL	Location T11S-R20E-S22	Field Name Natural Buttes	County Uintah	State Utah		
Well Configuration Type Vertical	XTO ID B 164707	Orig KB Elev (ft) 5,467.00	Gr Elev (ft) 5,454.00	KB-Grd (ft) 13.00	Spud Date 9/9/2005	PBTD (All) (ftKB) Original Hole - 8968.0	Total Depth (ftKB) 9,015.0	Method Of Production Beam		
Well Config: Vertical - Original Hole, 9/12/2012 9:29:42 AM										
Schematic - Actual			Incl	ftKB (TVD)	ftKB (MD)	Zones				
						Zone	Top (ftKB)	Btm (ftKB)		
						Mesaverde	8,083.0	8,321.0		
Casing Strings										
0	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
	Surface	9 5/8	40.00	J-55	Top Connection	2,212.0				
1	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
	Production	4 1/2	11.60	N-80	Top Connection	9,012.0				
11	Cement									
14	Description	Type	String							
	Surface Casing Cement	casing	Surface, 2,212.0ftKB							
22	200 sx LEAD (11.0 ppg, 3.82 yield) & 315 sx TAIL (15.8 ppg, 1.5 yield)									
30	Description	Type	String							
	Production Casing Cement	casing	Production, 9,012.0ftKB							
2,212	340 sx LEAD (11.0 ppg, 3.82 yield) & 1840 sx TAIL (14.35 ppg, 1.24 yield)									
2,225	Perforations									
3,620	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (")	Curr... Status	Zone		
6,753	7/15/2006	8,083.0	8,091.0	1.0	0.340			Mesaverde		
	7/15/2006	8,121.0	8,124.0	1.0	0.340			Mesaverde		
7,305	7/15/2006	8,179.0	8,182.0	1.0	0.340			Mesaverde		
	7/15/2006	8,268.0	8,271.0	2.0	0.340			Mesaverde		
7,555	7/15/2006	8,316.0	8,321.0	1.0	0.340			Mesaverde		
7,563	Tubing Strings									
	Tubing Description	Run Date	Set Depth (ftKB)							
7,582	Tubing - Capillary String	8/18/2008	8,391.1							
8,083	Tubing Components									
	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
8,091	Tubing	257	T&C Upset	2 3/8	4.70	J-55	8RD EUE	8,351.66	1.1	8,352.8
8,096	Seat Nipple	1		2 3/8			8RD EUE	0.40	8,352.8	8,353.2
8,121	Perforated Joint	1	T&C Upset	2 3/8	4.70	J-55	8RD EUE	2.20	8,353.2	8,355.4
8,124	Tubing	1	T&C Non-...	2 3/8	4.60	J-55	8RD EUE	33.00	8,355.4	8,388.4
8,179	Anchor/catcher	1		2 3/8		J-55	8RD EUE	2.70	8,388.4	8,391.1
8,182	Rods									
8,268	Rod Description	Run Date	String Length (ft)				Set Depth (ftKB)			
8,271	Rod String	9/16/2008	7,582.00				7,582.0			
8,316	Rod Components									
	Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
8,321	Polished Rod			1 1/2	SM	22.00	0.0	22.0		
	Sucker Rod	2	WCN-96	7/8	96	8.00	22.0	30.0		
	Sucker Rod	291	WCN-96	3/4	96	7,275.00	30.0	7,305.0		
8,353	Polished Rod Sinker Bar	10		1 1/4		250.00	7,305.0	7,555.0		
8,353	Rod Sub	2		3/4	D	8.00	7,555.0	7,563.0		
8,355	Rod Insert Pump			1 1/2		19.00	7,563.0	7,582.0		
8,388	Stimulations & Treatments									
	Frac Start Date	Top Perf (ft)	Bottom Pe...	V (slurry) (cu)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
	7/18/2006	8083	8321		254,70...		5,541.0	6,10...	3,527.0	
8,391	Comment									
	IHS 297 Well Import									
8,968	Test number: 001									
9,012										
9,015										

Top (MD):8,083.
Des:Mesaverde

PBTD,
8,968

TD, 9,015

Top (MD): 8,083.
Des: MesaverdePBTD,
8,968

TD, 9,015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76267
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: XTO ENERGY INC		7. UNIT or CA AGREEMENT NAME: BIG PACK
3. ADDRESS OF OPERATOR: PO Box 6501, Englewood, CO, 80155		8. WELL NAME and NUMBER: BIG PACK U 32-22
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786 FNL 1941 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 11.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047364880000
PHONE NUMBER: 303 397-3727 Ext		9. FIELD and POOL or WILDCAT: HILL CREEK
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/2/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. XTO Energy Inc. has re-delivered this well to Three Rivers through the Waynes Crossing CDP @ 2100 hours on Thursday, 5/2/2013 as a WSMVD well. This is the first delivery of the Wasatch formation. IFR 1,000 MCFPD. XTO Allocation Meter #RS0721RF.		
NAME (PLEASE PRINT) Barbara Nicol		PHONE NUMBER 303-397-3736
SIGNATURE N/A		TITLE Regulatory Compliance Tech
DATE 5/6/2013		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 06, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76267
2. NAME OF OPERATOR: XTO Energy Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT or CA AGREEMENT NAME 8. WELL NAME and NUMBER: BIG PACK UNIT 32-22
3. ADDRESS OF OPERATOR: P.O. BOX 6501 CITY ENGLEWOOD STATE CO ZIP 80155		9. API NUMBER: 4304736488
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1786' FNL & 1941' FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: SAME AT TOTAL DEPTH: SAME		10 FIELD AND POOL, OR WILDCAT HILL CREEK 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 22 11S 20E S
14. DATE SPUDDED: 9/9/2005 15. DATE T.D. REACHED: 10/18/2005 16. DATE COMPLETED: 5/2/2013		12. COUNTY: UINTAH 13. STATE: UTAH
18. TOTAL DEPTH: MD 9,015 TVD _____ 19. PLUG BACK T.D.: MD 8,968 TVD _____		17. ELEVATIONS (DF, RKB, RT, GL): 5,454' GL
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Previously submitted		20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____
23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)		

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12-1/4	9-5/8 J55	36	0	2,225		Prem 515		SURFACE	
7-7/8	4-1/2 M80	11.6	0	9,015		HI FILL 340		1000 CBL	
						POZ 1,849			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8	8,108							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	8,083	8,321			8,083 8,321	.34	25	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WASATCH	3,687	6,050			3,687 6,050	.36	64	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8,083 - 8,321 (Refrac)	A. w/2,000 gal 15% HCl. Frac w/92,593 gal N2 fld carrying 276,318 # 20/40 sd.
3,687 - 6,050	A. w/2,000 gal 15% HCl. Frac w/97,591 gal N2 fld carrying 225,284 # 20/40 sd.

29. ENCLOSED ATTACHMENTS:

- | | | | |
|---|--|---------------------------------------|---|
| <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS | <input type="checkbox"/> GEOLOGIC REPORT | <input type="checkbox"/> DST REPORT | <input type="checkbox"/> DIRECTIONAL SURVEY |
| <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION | <input type="checkbox"/> CORE ANALYSIS | <input type="checkbox"/> OTHER: _____ | |

30. WELL STATUS:

Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/2/2013	TEST DATE: 5/7/2013	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 933	WATER – BBL: 45	PROD. METHOD: FLOWING
CHOKE SIZE: 16/64	TBG. PRESS. 1,164	CSG. PRESS. 1,403	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
MESAVERDE	6,753	8,836	GAS, OIL, WATER	UTELAND BUTTE	3,480
WASATCH	3,620	6,753	GAS	WASATCH	3,620
				MESAVERDE	6,753
				SEGO	8,836
				CASTLEGATE	8,897
				TOTAL DEPTH	9,015

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) BARBARA A. NICOL

TITLE REGULATORY COMPLIANCE TECH

SIGNATURE

Barbara A. Nicol

DATE 5/21/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76267
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: XTO ENERGY INC		7. UNIT or CA AGREEMENT NAME: BIG PACK
3. ADDRESS OF OPERATOR: PO Box 6501, Englewood, CO, 80155		8. WELL NAME and NUMBER: BIG PACK U 32-22
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786 FNL 1941 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 11.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047364880000
PHONE NUMBER: 303 397-3727 Ext		9. FIELD and POOL or WILDCAT: HILL CREEK
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/2/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> XTO Energy Inc. has recompleted this well to the Wasatch per the attached summary report. </div> <div style="width: 35%; text-align: center;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 06, 2013 </div> </div>		
NAME (PLEASE PRINT) Barbara Nicol	PHONE NUMBER 303-397-3736	TITLE Regulatory Compliance Tech
SIGNATURE N/A	DATE 5/21/2013	

Big Pack Unit 32-22

3/4/2013: MIRU. Rd PU. PT tbg. Att to LS pmp. LD rod sub. MIRU hot oil. Att to flush rods. RDMO hot oiler. TOH rods. ND WH. NU & FT BOP/HYD. SWI & SDFN.

3/5/2013: RIs TAC. Att to TOH & found tbg stuck. MIRU WL. RI w/Free point tIs to 8,345'. Found TBG 100% free @ 8,345'. RIH w/ Chem cutter & Made cut @ 8,340'. RDMO WL. TOH w/tbg. SWI & SDFN.

3/6/2013: MIRU spoolers. TOH w/ tbg & 8,340' SS chem line. PU bit and scraper TIH w/BHA and tbg, worked scraper from 7,900' - 8,340'. TOH w/ tbg, worked scraper from 7,900' - 8,340'. TOH w/ tbg. SWI & SDFN.

3/7/2013: Cont TOH w/ tbg, LD BHA. PU OS, jars, DC, Intensifier, sub (6'). TIH w/BHA & tbg. Latch onto TOF. Jarred on fish /BHA for 1.5 hr fish came free. TOH w/ tbg. LD BHA & Fish. PU RBP. TIH w/RBP, tbg. SWI & SDFN.

3/8/2013: Cont TIH/ tbg. LD tbg. Set RBP @ 8,010'. Circ well w/60 bbls TFW. MIRU quick test. Chart PT csg. RIsd press. Sent chart to engineer. Chart PT blind & pipe rams, outlet. PT TIW vlv. All Tstd GD. RIs RBP. Tbg & BHA. ND BOP & Install & tsd 10k frac valve. RDMO. SWI & SDFWE.

4/11/2013: MIRU frac equip. CK MNTR. Held safety mtg & PT all surface lines & Lubricator. Srf csg was monitored during all frac ops. EIR 7 bpm & Brk dwn MV perfs fr/8,083-8,321' @ 5544 psig. Pmpd 2,000 gls 15% HCL. w/ 44 Bio bls (1.18 spg). Flsh w/ 250 bbls. BA @ 6000. SD & SI 5 mins. Fracd MV#1 perfs fr/ 8,083-8,321' dwn 4.5" csg w/92,593 gals. YF 120 50Q N2 fld carrying 240,200 #'s 20/40 White & 36,118# SLC 20/40 sd. Cut #3 20/40 White short 40,000# due to high pressure, Cut 3# 20/40 SLC short 20,000# due to high pressure. Used 3.361 MCF N2. Flshd frac w/135 bbls gel wtr. Max DH sd conc 3.8 ppg. ISIP 4537 psig. 5" SIP 4039 psig. 10" SIP 3866 psig. 15" SIP 3718 psig.

4/12/2013: MIRU frac equip & CHS. PT all surface lines & Lubricator. Checked monitors. Srf csg monitored during all frac operations. RIH w/ 10K CBP set @ 6,200'. PT, Perf WA stage # 2 intv fr/6048-50', 6030-32', 5978-79', 5961-63', 5936-5937', 5889-93', 5853-54', 5808-09', 5782-85', 5759-61', 5733-5735', & 5700-02', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6" pene., 40 holes). EIR 2 bpm & Brk dwn WA #2 perfs fr/5700-6050' @ 3,442 psig. Spearhead 1,000 gls 15% HCL. Fracd WA #2 perfs fr/5700-6050' dwn 4.5" csg w/61,152 gals. YF 120 50Q N2 fld carrying 96,160 #'s 20/40 White & 31,968# SLC 20/40 sd. Used 1.591 MCF N2. Flshd frac w/98 bbls gel wtr. Max DH sd conc 3.3 ppg. ISIP 3630 psig, 5" SIP 2607 psig. 10" SIP 2598 psig. 15" SIP 2596 psig. FG .89. RIH w/ 4.5" 8K CBP set @ 4,800'. PT to 4000 psig, Perf WA stage #3 intv fr/3687-91' & 4707-15', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6" pene., 24 holes). EIR 2 bpm & Brk dwn WA #2 perfs fr/3687-4715' @ 2,700 psig. Spearhead 1,000 gls 15% HCL. Fracd WA #3 perfs fr/3687-4715' dwn 4.5" csg w/36,439 gals. YF 120 50Q N2 fld carrying 67,703 #'s 20/40 White & 29,453# SLC 20/40 sd. Used 1.009 MCF N2. Flshd frac w/57 bbls gel wtr. Max DH sd conc 6.8ppg. ISIP 27309 psig, 5" SIP 2567 psig. 10" SIP 2533 psig. 15" SIP 2525 psig. RIH w/4.5" CBP set @ 3600'. SWI & RDMO frac equip & CHS. Susp rpts till further activity, wait on completion rig.

4/26/2013: MIRU flow tester. MIRU. ND frac vlv. NU & FT BOP. PU 3-5/8" bit, BRS, SN. TIH w/BHA & tbg tgd @ 3,600'. RU pwr swivel. SWI & SDFN

4/29/2013: Estb circ DO CBP @ 3,600'. Cont TIH w/ tbg tgd 15' fill @ 4,785'. CO fill from 4,785' - 4,800', DO CBP @ 4,800'. Cont TIH w/ tbg tgd 50' fill @ 6,150'. CO fill from 6,150' - 6,200', DO CBP @ 6,200'. Cont TIH w/ tbg tgd 315' fill @ 8,653'. RU Weatherford AFU. Estb circ & CO fill fr/8,653' - 8,936' tbg meas (PBSD @ 8,968'). Circ well cIn for 2 hr. Ppd 400 bbls TFW & kill tbg. LD swivel. RDMO AFU. LD 17 jts 2-3/8" 4.7#, L-80, eue tbg. TOH w/30 jts 2-3/8" tbg BRS & bit @ 7,400'. PBSD @ 8,968'. 400 TIt pmp. Turn well over to flow testers @ 20:00 Flwg on 18/48" ck. FCP 1000 - 0 psig on 18/64"- ck. Returns non-burnable gas, fluid w/trace sd. 514 ttl bbls today 10 hrs.

4/30/2013: TOH w/ tbg. Att to kw w/100 bls TFW w/ no success. EOT @ 1,810'. Turn well over to flow testers @ 14:00 Flwg on 28/48" ck. FCP 1075 psig on 28/48"- ck. Turn to Flare.Returns burnable gas, fluid w/trace sd. 331 ttl bbls today 24 hrs.

5/1/2013: Cont to flw well back to relieve press. FCP 950- 600 psig on 48-30/48" ck. Turn to Flare, Burnable gas, fluid w/trace sd. 134 ttl bbls today 24 hrs. Preliminary Test showed N2 4% & 89% Methane.

5/2/2013: TIH w/ tbg, tgd 30' of new fill @ 8,905'. TOH & LD tbg. Ld Tbg w/2-3/8" donut tbg hgr. ND BOP. NU WH. RU swb tIs & RIH w/ tbg broach to SN @ 8, 108'. POH w/broach. No ti spots. Ld broach. Pmp of bit. SN @ 8,108'. PBSD @ 8,968'. WAMV perfs fr/4,200- 8321'. Fin equip BRS sub, SN, tbg, RU & RIH w/swb tIs. Swab. Well started flowing. RD swb tIs. RDMO. Turn well over to Production @ 22:00 hrs.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101
<http://www.blm.gov/ut/st/en.html>



Big Pack 432.22
43-047-36488

IN REPLY REFER TO:
3180 (UTU82244D)
UT922000

APR 21 2014

RECEIVED

APR 30 2014

DIV. OF OIL, GAS & MINING

Mr. Paul Keffer
XTO Energy Inc.
810 Houston Street
Fort Worth, Texas 76102

Re: Initial Wasatch-Mesaverde Formation
PA "D"
Big Pack Unit
Uintah County, Utah

Dear Mr. Keffer:

The Initial Wasatch-Mesaverde Formation Participating Area "D", Big Pack Unit, UTU82244D, is hereby approved effective May 2, 2013, pursuant to Section 11 of the Big Pack Unit Agreement, located in Uintah County, Utah.

The Initial Wasatch-Mesaverde Formation Participating Area "D" results in an Initial Participating Area of 160.00 acres and is based upon the re-completion of Well No. 32-22, API No. 43-047-36488, located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 22, Township 11 South, Range 20 East, SLB&M; Federal Unit Tract No.5, Lease No. UTU76267, as being a well capable of producing unitized substances in paying quantities.

Your submitted exhibits "A" and "B" required by the unit agreement are found acceptable and are hereby approved.

For production and accounting reporting purposes, all submissions pertaining to the Initial Wasatch-Mesaverde Formation Participating Area "D" shall refer to UTU82244D.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:

3180 (UTU82244X)

UT-922000

SEP 09 2015

RECEIVED

SEP 14 2015

DIV. OF OIL, GAS & MINING

Mr. Paul Keffer
XTO Energy Inc.
810 Houston Street
Fort Worth, Texas 76102

Re: Automatic Contraction
Big Pack Unit - See attached list
Uintah County, Utah

Dear Mr. Keffer:

Your letter of August 27, 2015, describes the lands automatically eliminated effective July 1, 2015, from the Big Pack Unit Area, located in Uintah County, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 19,038.63 acres more or less, and constitute all legal subdivisions, no parts of which are included in the Wasatch-Mesaverde Participating Area. As a result of the automatic contraction, the unit is reduced to 639.99 acres.

The following Federal Leases are entirely eliminated from the unit area:

UTU75133	UTU76271
UTU76037	UTU81431
UTU76268	UTU81722
UTU76269	UTU81723
UTU76270	

The following Federal Leases are partially eliminated from the unit area:

UTU34705
UTU76266
UTU76267
UTU76311

You have complied with the requirements of Section 2(e), provided you promptly notify all interested parties.

If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger L. Bankert".

Roger L. Bankert
Chief, Branch of Minerals

Enclosure

cc: UDOGM
SITLA
ONRR w/Exhibit "B" (Attn: Curtis Link)
BLM FOM - Vernal w/enclosure

Wells removed from Unit

WELL_NAME	API	SECTION	TOWNSHIP	RANGE	ENTITY	UNIT_NAME
WILLOW CREEK UNIT 1	4304731775	27	110S	200E	10804	BIG PACK
BIG PACK U 32-22	4304736488	22	110S	200E	14929	BIG PACK
BIG PACK U 31-34	4304736489	34	110S	200E	14961	BIG PACK
BPU 2-14H	4304740000	14	110S	200E	17295	BIG PACK
BPU 3-23H	4304740008	23	110S	200E	17217	BIG PACK
BPU 13-02M	4304752230	02	120S	200E	18787	BIG PACK